M.O. FORM 2373

# THE DAILY WEATHER REPORT

BRITISH SECTION

## 1st April to 30th June

## 1938.

AIR MINISTRY. METEOROLOGICAL OFFICE, LONDON. W.C.2.

# INTRODUCTION

The Daily Weather Report has been issued in three sections since April 1, 1919. The section of which this forms the Introduction is known as the "British Section."

## NOTES REGARDING THE BRITISH SECTION.

**Description of each issue**:—The British section is issued daily by 12.30 p.m. (except that Sunday's issue is printed on Monday) and contains—

(*a*) On pp. 1 and 4 two tables of observations taken generally at 13h. and 18h. G.M.T. of "yesterday," and at 1h. and 7h. G.M.T. of "to-day" from about 45 stations in the British Isles, which regularly report to the Meteorological Office, and of the weather in the intervening intervals. These observations are telegraphed in a figure and letter code. The stations are arranged according to Forecast Districts as described at the foot of p. 2 of the report, and also on p. 4 of this Introduction. Whenever it is possible to do so without occupying too much space, the decoded values are set out in full in the table ; in other cases, code figures are entered ; these are interpreted by reference first to the number printed at the head of the column, and then to the Explanation printed at the foot of pp. 1 and 4, where the column numbers are shown in connexion with each of the separate classes of observation.

(*b*) Observations made at nine London Stations during the 24 hours ending 7h. or 9h.

(*c*) Table of atmospheric pollution for "yesterday" for South Kensington and Kew Observatory.

(*d*) Observations for "yesterday evening" and "this morning" from five capital cities on the Continent of Europe.

(*e*) On p. 2, a table of weather reports from British health resorts for the previous day, arranged under forecast districts.

(*f*) A weather chart (scale 1 : 10,000,000) for the British Isles and the neighbouring parts of the Continent and of the Atlantic. An explanation of the chart is printed below it.

(*g*) A "general inference" drawn up by the forecaster from all the weather charts available. This inference sets out the meteorological changes in progress and the deductions to be drawn from them.

(*h*) Weather forecasts for the 24 hours commencing 12 noon of the day of issue for 20 districts into which the British Isles are divided.

(*i*) A "further outlook," i.e. an indication of the changes to be expected after the expiry of the term of the forecasts, if the meteorological conditions are such as to warrant the issue of such an extension.

(*j*) On p. 3, a weather chart for the greater part of the Northern Hemisphere, including the whole of Europe, part of N. Africa, the Northern part of the N. Atlantic, N. America and usually a part of Russia in Asia.

The observations presented on this chart are not synchronous, but as from 1st January, 1938, a change was made which gives approximately synchronous observations over a larger area than formerly.

Till the end of December, 1937, the chart could be divided into the following three sectors as regards hour of observation,

| Sector. | Hour of Observation. |
|---|---|
| U.S.S.R. (approx. 170° E. to 30° E.) | 7h. local time. |
| 30° E. to 40° W.... | 6h. or 7h. G.M.T. (Azores 8h.) |
| 40° W to 170° W | 0h. or 1h G.M.T |

From January 1st, 1938, these have been reduced to the two sectors :—

| Sector. | Hour of Observation. |
|---|---|
| U.S.S.R. (approx. 170° E. to 30° E.) | 1h. local time. |
| 30° E. to 170° W. | 0h. or 1h. G.M.T. |

The improvement in the charts effected by this change is most marked over mid-Atlantic. Previously a difference of six hours had existed between observations from ships on opposite sides of the lines of longitude 40° W.

The gain in one respect has meant a sacrifice in another. The network of land stations in Europe and Africa making observations at 1h. is not so close as that of stations observing at 7h. This is particularly notable in Scandinavia, the Balkans and North Africa.

In the case of Iceland entries of weather, temperature and wind do not now appear on the chart, but pressure values at 1h. G.M.T. are available and are used in drawing the isobars.

**Wind**:—The force of the wind is indicated in each issue of the Report by figures on the Beaufort Scale. The equivalents between numbers of the Beaufort Scale and the indications of an anemometer when exposed at a height of 30 to 40 feet above the ground are set out at the foot of p. 2 of each issue. Stations where such anemometers are installed determine their Beaufort numbers from their anemometers At stations where anemometers are not in use, the force of the wind is estimated by means of the specification set out below. All wind directions are "true" or geographical, as distinguished from "magnetic."

**Gale warnings**:—A note regarding the meaning of gale warnings and the method of indicating in the Report to what districts warnings may have been issued is also shown below.

### The International and Upper Air Sections.

The other two sections of the Daily Weather Report are Royal quarto in size.

The International Section contains 4 pp. per day and is issued daily by 3.30 p.m., but the issues for Saturday and Sunday are made on Monday. The "International Section" contains information received from the Continent of Europe, the Mediterranean Basin, Iceland and the Azores, and from ships on the Atlantic, arranged as follows :—

(*a*) Two weather maps (Scale 1 : 20,000,000) for Europe, the Mediterranean and Eastern Atlantic for 18h. yesterday and 7h. to-day.

(*b*) Two inset maps (Scale 1 : 20,000,000) for Northwest Europe for 13h. yesterday and 1h. to-day.

(*c*) Table of meteorological observations taken at about 80 stations, mostly on the Continent of Europe (not for the British Isles).

(*d*) Table of meteorological observations received by Wireless Telegraphy from Ships on the Northern Atlantic.

This section is very useful to one who wishes to trace the passage of various weather systems, since the 4 charts for each 24 hours enable the reader to follow the course of events in detail. From 1st March, 1933, the positions of well-defined warm, cold and occluded fronts have been indicated on the weather maps.

**Upper Air Section**:—The third section, called the "Upper Air Section" consists of 2 pp. Royal quarto per day and the issue for "yesterday" is published immediately prior to the issue of the British Section for "to-day." It contains maps, diagrams and tables showing upper air currents, pressures and temperatures over the British Isles and the Continent of Europe.

## THE BEAUFORT SCALE OF WIND FORCE.

| Beaufort Number. | Admiral Beaufort's General Description of Wind. | Specification for use on Land, based on observations made at British Land Stations. | Limits of Mean Velocities Statute Miles per Hour as recorded by well exposed anemometers about 40 feet above ground. |
|---|---|---|---|
| 0 | Calm ... ... | Calm ; smoke rising vertically ... ... ... ... ... | Less than 1 |
| 1 | Light air ... | Direction of wind shown by smoke drift ... ... ... ... | 1–3 |
| 2 | Slight breeze ... | Wind felt on face ; leaves rustle ... ... ... ... ... | 4–7 |
| 3 | Gentle breeze ... | Leaves and small twigs in constant motion ; wind extends light flag ... ... ... ... ... ... ... ... | 8–12 |
| 4 | Moderate breeze | Raises dust and loose paper ; small branches are moved ... | 13–18 |
| 5 | Fresh breeze ... | Small trees in leaf begin to sway ; crested wavelets on inland waters... ... ... ... ... ... ... ... ... | 19–24 |
| 6 | Strong breeze ... | Large branches in motion ; whistling heard in telegraph wires | 25–31 |
| 7 | Moderate gale ... | Whole trees in motion ; inconvenience felt when walking against wind ... ... ... ... ... ... ... ... | 32–38 |
| 8 | Fresh gale ... | Breaks twigs off trees ; generally impedes progress ... ... | 39–46 |
| 9 | Strong gale ... | Slight structural damage occurs (chimney pots and slates removed) ... ... ... ... ... ... ... ... | 47–54 |
| 10 | Whole gale ... | Seldom experienced inland ; trees uprooted ... ... ... | 55–63 |
| 11 | Storm ... ... | Very rarely experienced ; accompanied by widespread damage | 64–75 |
| 12 | Hurricane ... | ... ... ... ... ... ... ... ... ... ... | Above 75 |

## GALE WARNINGS.

The Meteorological Office issues warnings to ports and fishing stations of gales on or near the coasts of the British Isles. When one of these notices has been received at a station a black canvas cone is hoisted. The Signals remain hoisted after the receipt of a warning telegram until danger of a gale is passed.

The *North Cone* (point upwards) is hoisted for gales commencing from a Northerly point.

For gales commencing from East or West the North Cone will be hoisted if the gale is expected to change to a Northerly direction.

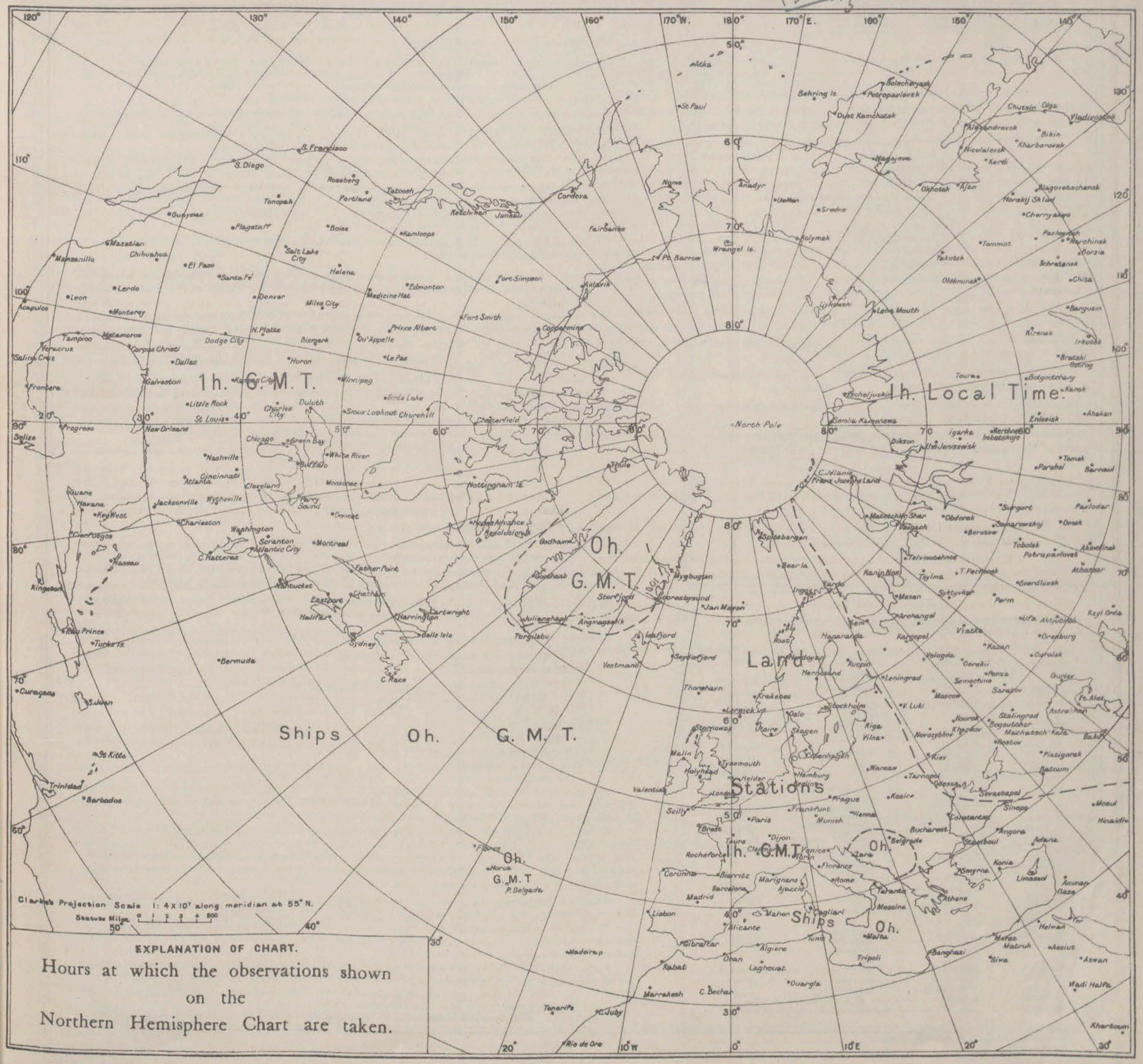
The *South Cone* (point downwards) is hoisted for gales commencing from a Southerly point. Such gales often veer, sometimes as far as Northwest.

For gales commencing from East or West the South Cone will be hoisted if the gale is expected to change to a Southerly direction.

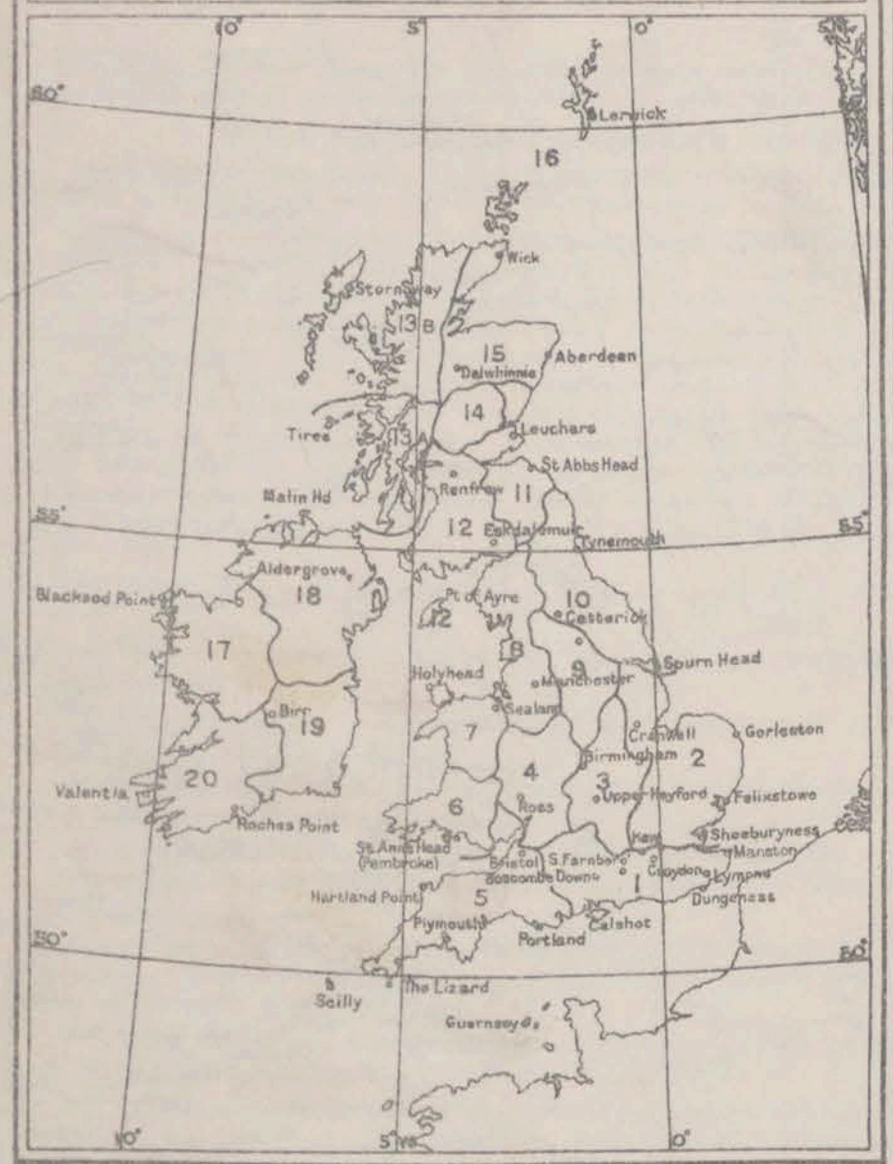
The districts to which warnings are sent are shown in the Report by the following symbols written on page 2 against the forecast districts to which they apply :—

▲ North Cone hoisted : ▼ South Cone hoisted :

The time or times of issue of the gale warning telegrams is shown below the further outlook" on page 2 of the Report.


1h. G. M. T.
1h. Local Time.
Oh. G. M. T.
Ships Oh. G. M. T.
Land Stations
Ships Oh.
Oh. G. M. T
Oh. 1h. G.M.T.
Clarke's Projection Scale 1: 4 X 10⁷ along meridian at 55° N.
Statute Miles 0 1 2 3 4 500
EXPLANATION OF CHART.
Hours at which the observations shown on the Northern Hemisphere Chart are taken.

## FORECAST DISTRICTS AND STATIONS IN GREAT BRITAIN AND IRELAND




## FORECAST DISTRICTS
### and the Counties comprised within them.

1. *England, S.A.*
   Kent.
   Sussex.
   Surrey.
   Hampshire.
   Berkshire.
   Wiltshire.

2. *England, E.*
   Essex.
   Middlesex.
   Hertford.
   Bedford.
   Huntingdon.
   Cambridge.
   Suffolk.
   Norfolk.
   Lincoln.

3. *Midlands, E.*
   Buckingham.
   Oxford.
   Northampton.
   Warwick.
   Leicester.
   Rutland.
   Nottingham.

4. *Midlands, W.*
   Gloucester.
   Hereford.
   Worcester.
   Shropshire.
   Stafford.

5. *England, S.W.*
   Dorset.
   Somerset.
   Monmouth.
   Devon.
   Cornwall.

6. *Wales, S.*
   Glamorgan.
   Brecknock.
   Carmarthen.
   Pembroke.
   Cardigan.
   Radnor.

7. *Wales, N.*
   Montgomery.
   Merioneth.
   Flint.
   Denbigh.
   Carnarvon.
   Anglesey.

8. *England, N.W.*
   Cheshire.
   Lancashire.
   Westmoreland.
   Cumberland.

9. *Midlands, N.*
   Derby.
   Yorkshire, W.

10. *England, N.E.*
    Yorkshire, N. & E.
    Durham.
    Northumberland.

11. *Scotland, S.E.*
    Roxburgh.
    Selkirk.
    Peebles.
    Berwick.
    Haddington.
    Edinburgh.
    Linlithgow.
    Clackmannan.
    Kinross.
    Fife.
    Forfar.

12. *Scotland, S.W., and Isle of Man.*
    Isle of Man.
    Dumfries.
    Kirkcudbright.
    Wigtown.
    Ayr.
    Lanark.
    Renfrew.
    Dumbarton.
    Stirling.

13A. *Scotland, W.*
    Argyll.
    Bute.

13B. *Scotland, N.W.*
    Hebrides.
    Western parts of Inverness, Ross and Cromarty, Sutherland.
    (Boundary line runs from Rannoch Station through Fort Augustus, Beauly and Lairg to Melvich).

14. *Mid. Scotland.*
    Perth.

15. *Scotland, N.E.*
    Kincardine.
    Aberdeen.
    Banff.
    Elgin.
    Nairn.
    Caithness.
    Eastern parts of Inverness, Ross, Sutherland.

16. *Orkneys and Shetlands.*

17. *Ireland, N.W.*
    Galway.
    Roscommon.
    Mayo.
    Sligo.
    Leitrim.

18. *Ireland, N.E.*
    Meath.
    West Meath.
    Longford.
    Cavan.
    Farmanagh.
    Monaghan.
    Louth.
    Armagh.
    Down.
    Antrim.
    Londonderry.
    Tyrone.
    Donegal.

19. *Ireland, S.E.*
    Waterford.
    Wexford.
    Kilkenny.
    Carlow.
    Wicklow.
    Offaly.
    Leix.
    Kildare.
    Dublin.

20. *Ireland, S.W.*
    Cork.
    Kerry.
    Limerick.
    Tipperary.
    Clare.

## NOTES ON THE INFORMATION CONTAINED IN THE DAILY WEATHER REPORT.

**Standard of Time.**—Greenwich Mean Time is exclusively used throughout the Report.

**Stations.**—*Kew.*—Temperature readings at Kew are taken in a large louvred screen placed against the north wall of the observatory. The thermometer bulbs are at a height of 10 feet above the ground immediately surrounding the building. This ground is raised a few feet above the general level of the Old Deer Park in which the observatory stands.

*London Observations.*—As from 1st January, 1934, the rainfall measurements at all the London stations where raingauges are maintained, refer to two periods, day and night. The day period at Kew and Croydon is 7h. to 18h. G.M.T.; at all other stations it is 9h. to 18h. G.M.T.

*Valentia.*—The observations at 1h. G.M.T. are taken at the Post Office Wireless Station on Valentia Island, those at all other hours at the Observatory near Cahirciveen on the mainland.

*Holyhead.*—As from 10th February, 1934, as the result of a series of comparisons with another gauge surrounded by a turf wall, the raingauge at this very exposed station was moved a short distance from its former position, and surrounded with a standard turf wall, with a view to increasing the catch to that appropriate to the locality.

**Heights of Stations.**—The heights of British Stations above M.S.L. refer to the plot of ground on which the rain gauge is situated.

**Pressure.**—The distribution of barometric pressure at Mean Sea Level is shown by means of isobars which are drawn for intervals of 2 millibars on page 2 of the Report and for intervals of 4 millibars on Page 3.

The wind at a height of 1,500-2,000 feet above ground usually blows *along* the isobars and, for the same temperature, pressure and latitude, the speed of the wind is inversely proportional to the distance between the isobars, *e.g.*, for isobars 1 inch apart for the chart on Page 2 the speed of the upper wind is about 12 m.p.h. in latitude 55°, with a temperature of 50° F. and a pressure of 1,015 mb; if, however, the isobars are ½ inch apart the corresponding speed is 24 m.p.h.

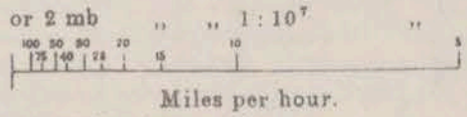
The scale below can be used to determine the theoretical wind as deduced from the pressure distribution on either chart. On the assumption that the path of the air is straight this theoretical wind is called the Geostrophic Wind.

If the distance between consecutive isobars is measured along the scale from the left-hand extremity the geostrophic wind is shown by the scale in miles per hour.

**GEOSTROPHIC WIND SCALE FOR**

8 mb isobars on $1 : 4 \times 10^7$ Charts.

or 2 mb " " $1 : 10^7$ "




Miles per hour.

This scale applies under the following conditions:—

Pressure, 1,015 mb. Temperature, 50° F. Latitude, 55°.

Corrections.—For an increase of 10 mb pressure, subtract 1% from velocity; for an increase of 10° F. add 2%. From Latitude 55° to Latitude 65° subtract 1% for each degree *above* 55°. From Latitude 55° to Latitude 45° add 1½% for each degree *below* 55°

**Temperature.**—Temperature is specified in degrees Fahrenheit, and is shown on the charts by means of figures written alongside the positions of the stations.

**Relative Humidity.**—Relative Humidity at British stations is calculated from the following hygrometric formulæ:—

$$\text{Relative humidity} = \frac{100x}{F}$$

$x = f - \cdot 444\,(t - t')$ for wet bulb readings above 32° F.

$x = f - \cdot 400\,(t - t')$ for wet bulb readings below 32° F.

where $x$ is the vapour pressure in mb.

$F$ the saturation vapour pressure at the temperature of the dry bulb;

$f$ the saturation vapour pressure at the temperature of the wet bulb;

$t$ the dry bulb temperature; and

$t'$ the wet bulb temperature.

The entries in columns 7 and 21 are limited to 10, 25, 35, etc., to 85, 92 and 97. Entry 10 indicates that relative humidity is between 0 and 19 : 25, between 20 and 29; .....and so on; 92, between 90 and 94; 97 between 95 and 100

**Wind.**—All wind directions specified in the reports are "true," as distinguished from "magnetic." The arrows indicating wind direction are drawn to fly with the wind. Until and including 29th March, 1936, the number of feathers on the arrows denotes wind force by Beaufort number. from 30th March, 1936. each feather denotes two steps on the Beaufort Scale; thus force 5 is indicated by two whole feathers and one half feather

**Adjusted Readings.**—Where an instrumental reading is found to be in error and some adjustment is necessary, such adjusted reading is published in brackets thus (59).

The entries in the British Section of the Report for the stations in the main tables on pages 1 and 4 are compared with those in the returns received from the stations at the end of the month and errors in the Report so found are noted

*N.B.—Readers of the Report who are unacquainted with the method of construction and the use of weather charts are recommended to read "The Weather Map: An Introduction to Modern Meteorology," (2nd Edition, 1930), to be purchased from H.M. Stationery Office, Adastral House, Kingsway, W.C.2, price 5s. 2d. post free. (Reprinted 1933).*

*Corrections and additions can be obtained, if required, on application to the Meteorological Office.*

H.M. Stationery Office Press, Kingsway, W.C.2.

G.743/2430. Wt.9061/. D.3772. Gp.848. 1130. 6/36

AIR MINISTRY.

# THE DAILY WEATHER REPORT

OF THE METEOROLOGICAL OFFICE, LONDON.

MONTHLY SUPPLEMENT,

APRIL, 1938. No. 256.



## Exceptionally dry. Sunny in the West, rather cold in the East.

The main feature of the weather of April was the absolute drought experienced over a wide area in the southern half of England. At a few places along the south coast the whole month was rainless, while an absolute drought which had hold in many districts for periods varying from 20 - 29 days was not broken until the 23rd. Up to 30th April, no rain had fallen at Bournemouth and Ventnor for 36 and 35 days respectively.

After the opening days of the month, when gales were experienced on the northwest seaboard and on the east coast, an unusually persistent anticyclone became established to the north and west of the British Isles. At both Valentia and Stornoway mean pressure over the month was 15 mb. above normal and this anticyclone was the controlling factor of the weather over the whole country.

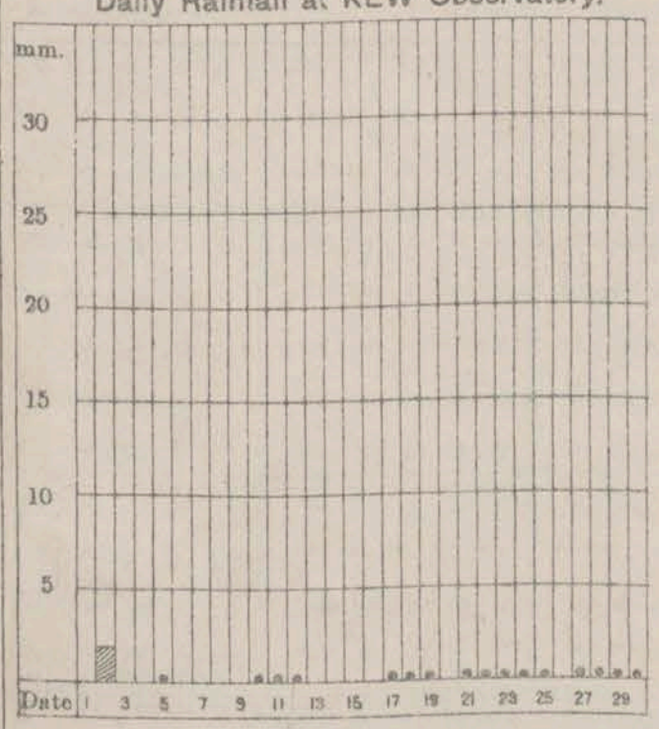
Rainfall aggregates reveal new low records over most of the country. This general lack of rain caused considerable concern to interested authorities, and necessitated the cartage of water for agricultural and domestic use in some rural areas.

Sunshine totals were slightly below average along the east coasts of Scotland and England where, particularly in the latter half of the month, cloudy skies were experienced in the northerly air stream. In the West and North, however, sunshine records were broken by a clear margin, notably at Valentia, where the 262 hours of bright sunshine was the largest April total there since 1887. 15 days with more than 9 hours sunshine were enjoyed at Falmouth, Holyhead, and Birr Castle.

Temperatures over the month show a distribution similar to the sunshine, being 2 - 3 degrees above average in the North and West, and a little below average in the East. Some high temperatures were recorded in the east of England early in the month (67°F. at Lowestoft on 1st), but the onset of cold northeasterly winds from Easter onwards caused a noticeable change and frequent sharp night frosts did considerable damage to the orchards in East and Southeast England. Air temperatures fell to 20°F. at Dalwhinnie on 9th, South Farnborough on 11th, Manchester on 18th and Droitwich on 19th, while on the 17th day temperature did not exceed 41°F. at Tynemouth.

Other noteworthy phenomena were widespread morning fogs on 12th and 13th, a violent hail storm in Kent on the 18th, and thunderstorms in Southern England on the 25th. A magnetic storm on the morning of 16th April appears to have been one of the most violent ever recorded.

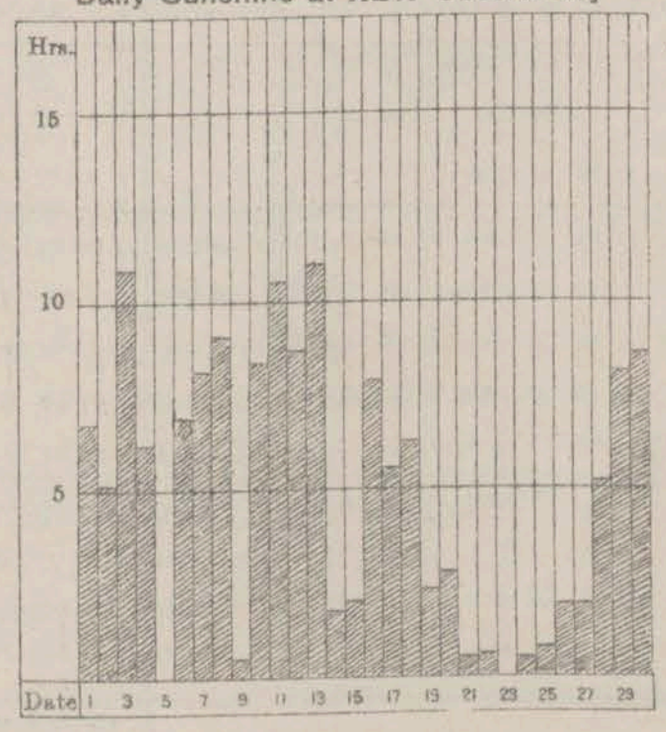
Daily Rainfall at KEW Observatory.




• = Less than 0·5 mm.

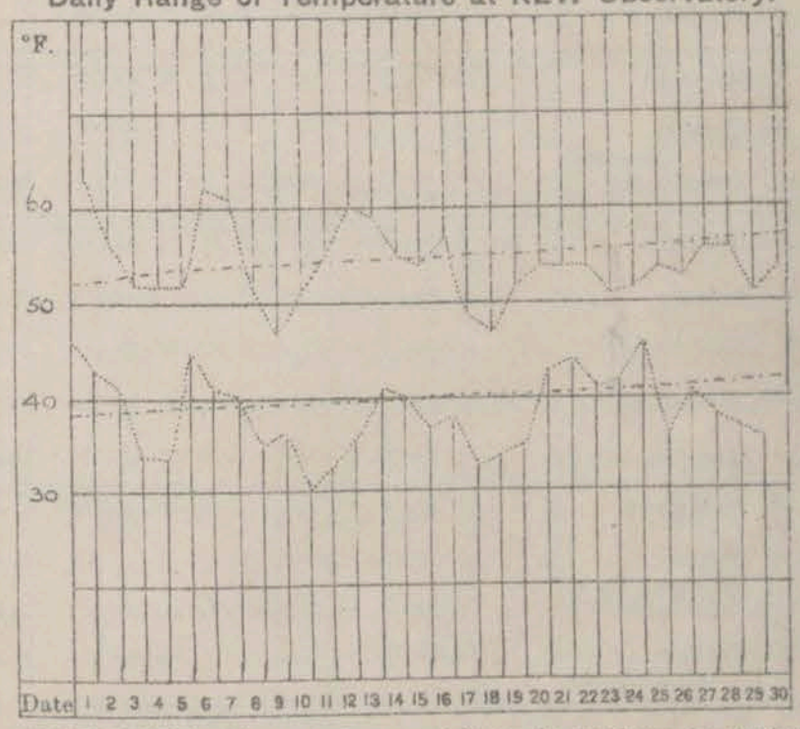
**RAINFALL. Total for Month.** 25 mm.

Daily Sunshine at KEW Observatory




**SUNSHINE. Total for Month.** 150 hrs.

Daily Range of Temperature at KEW Observatory.



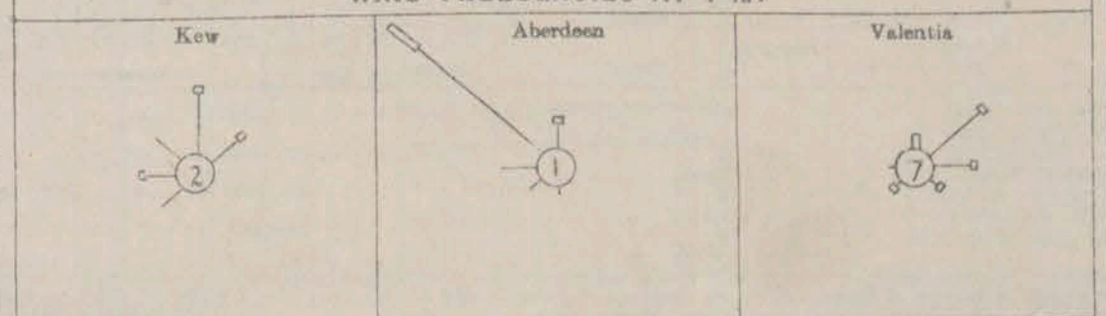

TEMPERATURE. The pecked curves indicate the maximum temperature recorded each day, and the minimum temperature each night throughout the month. The chain lines show normal values.

### MEAN VALUES FOR THE MONTH.*

| STATIONS. | PRESSURE Mean | PRESSURE Difference from average | TEMPERATURE Mean | TEMPERATURE Difference from average |
|---|---|---|---|---|
| | mb. | mb. | °F. | °F. |
| Kew | 1026·1 | + 11·7 | 46·3 | -1·4 |
| Aberdeen | 1025·4 | + 12·7 | 46·0 | +2·5 |
| Valentia | 1028·3 | + 15·1 | 50·5 | +3·1 |

*Pressure—The mean is for the 24 hours. It is derived from values at 7 h. and 18 h. duly corrected.
Temperature—mean of Max. and Min.

### WIND FREQUENCIES AT 7 hr.




Forces 1–3 —— ; forces 4–7 ═══ ; force 8 or above ▬▬ Scale ; 10mm. to 10 observations.
The figure in the centre of the circle gives the number of calms.

### "RUN" of WIND, or total displacement of air relative to the anemographs.

| | miles. |
|---|---|
| Kew ... | 6,606 |
| Aberdeen ... | 6,737 |
| Lerwick ... | 14,100 |
| Valentia ... | 6,381 |

# SUMMARY OF RECORDS OF TEMPERATURE, LOW CLOUD, VISIBILITY,

| District. | Stations. | † TEMPERATURE. Number of daily readings within fixed limits. Maximum. 33° - 41° | 42° - 50° | 51° - 59° | 60° - 68° | Average Maximum. | Minimum. 23° or below | 24° - 32° | 33° - 41° | 42° - 50° | 51° - 59° | Average Minimum. | Extremes—Warmest and Coldest. Days. Highest Max. | Date. | Lowest Max. | Date. | Nights. Highest Min. | Date. | Lowest Min. | Date. | Number of Ground Frosts. | LOW CLOUD. Number of observations within fixed limits. 7 h. Below 1,000 ft. | 1,000-5,000 ft. | 5,000-8,000 ft. | 13 h. Below 1,000 ft. | 1,000-5,000 ft. | 5,000-8,000 ft. | 18 h. Below 1,000 ft. | 1,000-5,000 ft. | 5,000-8,000 ft. | FOG, MIST and GOOD VISIBILITY. Number of observations within fixed limits. 7 h. Dense fog. | Thick fog. | Fog. | Mist. | Good Visibility. | 13 h. Dense fog. | Thick fog. | Fog. | Mist. | Good Visibility. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | °F. | | | | | | °F. | °F. | | °F. | | °F. | | °F. | | | | | | | | | | | | | | | | | | | | | |
| 1 | London ... (Kew Obsy). | 0 | 3 | 23 | 4 | 53.6 | 0 | 1 | 22 | 7 | 0 | 40.8 | 63 | 1 | 47 | 9 18 | 46 | 1 25 | 30 | 11 | 17 | 1 | 23 | 0 | 0 | 26 | 0 | 0 | 22 | 0 | 0 | 0 | 0 | 5 | 3 | 0 | 0 | 0 | 0 | 14 |
| | Croydon ... | 0 | 3 | 22 | 5 | 54.3 | 0 | 7 | 16 | 7 | 0 | 39.9 | 64 | 1 | 47 | 9 | 45 | 6 25 | 27 | 11 | 13 | 5 | 13 | 3 | 0 | 26 | 1 | 0 | 21 | 2 | 0 | 0 | 1 | 5 | 8 | 0 | 0 | 0 | 1 | 9 |
| | Calshot** ... (Southampton) | 0 | 1 | 24 | 5 | 53.4 | 0 | 0 | 25 | 5 | 0 | 41.1 | 64 | 6 13 | 50 | 9 | 47 | 2 | 33 | 11 18 | 3 | 1 | 13 | 2 | 0 | 27 | 0 | 0 | 20 | 1 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 24 |
| | Lympne ... | 0 | 11 | 19 | 0 | 51.9 | 0 | 6 | 22 | 2 | 0 | 39.4 | 59 | 6 7 | 44 | 9 | 42 | 6 15 | 28 | 10 | 12 | 4 | 15 | 3 | 0 | 28 | 2 | 0 | 18 | 5 | 0 | 0 | 0 | 2 | 18 | 0 | 0 | 0 | 0 | 29 |
| 2 | Shoeburyness ... | 0 | 5 | 21 | 4 | 53.9 | 0 | 5 | 21 | 4 | 0 | 39.2 | 64 | 1 7 | 47 | 9 | 44 | 1 2 | 27 | 18 | 22 | 2 | 20 | 1 | 0 | 28 | 0 | 1 | 21 | 1 | 0 | 0 | 0 | 0 | 18 | 0 | 0 | 0 | 0 | 26 |
| | Gorleston ... | 0 | 15 | 13 | 2 | 50.7 | 0 | 0 | 19 | 11 | 0 | 40.6 | 62 | 1 | 46 | 18 | 46 | 28 | 33 | 4 11 | 0 | 0 | 27 | 0 | 0 | 29 | 0 | 0 | 22 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 11 |
| | Cranwell ... | 0 | 7 | 19 | 4 | 53.4 | 0 | 4 | 19 | 7 | 0 | 37.6 | 63 | 1 | 46 | 9 | 45 | 1 6 25 | 29 | 11 | 11 | 0 | 18 | 3 | 1 | 26 | 0 | 0 | 22 | 4 | 0 | 0 | 1 | 1 | 15 | 0 | 0 | 0 | 0 | 23 |
| 3 | Birmingham ... (Edgbaston) | 0 | 8 | 20 | 2 | 52.2 | 0 | 2 | 16 | 12 | 0 | 39.4 | 61 | 12 | 46 | 9 | 48 | 7 | 29 | 18 | 12 | 2 | 16 | 1 | 0 | 25 | 1 | 0 | 16 | 1 | 0 | 0 | 4 | 5 | 5 | 0 | 0 | 0 | 0 | 12 |
| 4 | Ross-on-Wye ... | 0 | 1 | 22 | 7 | 53.9 | 0 | 8 | 16 | 6 | 0 | 35.4 | 65 | 6 7 | 49 | 9 | 46 | 6 | 27 | 11 16 19 | 22 | 2 | 18 | 0 | 0 | 26 | 0 | 1 | 20 | 0 | 0 | 0 | 1 | 4 | 15 | 0 | 0 | 0 | 0 | 20 |
| 5 | The Lizard ... | 0 | 2 | 26 | 2 | * | 0 | 0 | 9 | 21 | 0 | * | 60 | 7 28 | 49 | 18 | 48 | 2 6 | 37 | 19 | * | 1 | 28 | 0 | 0 | 29 | 0 | 0 | 26 | 0 | 0 | 0 | 1 | 0 | 28 | 0 | 0 | 0 | 0 | 28 |
| 7 | Holyhead ... | 0 | 8 | 22 | 0 | 50.1 | 0 | 0 | 8 | 22 | 0 | 42.4 | 56 | 6 | 47 | 3 17 | 47 | 6,7,21 22,23 24,30 | 35 | 18 | 6 | 3 | 21 | 0 | 0 | 26 | 0 | 0 | 14 | 2 | 0 | 0 | 0 | 1 | 24 | 0 | 0 | 0 | 0 | 27 |
| 8 | Chester ... (Sealand) | 0 | 4 | 25 | 1 | 53.2 | 0 | 11 | 7 | 12 | 0 | 35.0 | 61 | 1 | 49 | 3 18 | 49 | | 24 | 18 | 17 | 3 | 20 | 1 | 1 | 25 | 1 | 0 | 19 | 1 | 0 | 1 | 0 | 7 | 9 | 0 | 0 | 0 | 0 | 17 |
| 10 | Tynemouth ... | 1 | 19 | 10 | 0 | 49.3 | 0 | 0 | 13 | 16 | 1 | 39.7 | 59 | 6 | 41 | 17 | 51 | 1 | 34 | 4 | 3 | 9 | 21 | 0 | 3 | 27 | 0 | 3 | 27 | 0 | 0 | 0 | 0 | 2 | 14 | 0 | 0 | 0 | 0 | 24 |
| 11 | Leuchars ... | 0 | 6 | 20 | 4 | 50.7 | 0 | 4 | 16 | 10 | 0 | 37.0 | 64 | 5 | 46 | 17 | 50 | 6 | 25 | 10 | 15 | 0 | 24 | 2 | 0 | 25 | 2 | 0 | 23 | 3 | 0 | 0 | 0 | 0 | 26 | 0 | 0 | 0 | 0 | 27 |
| 12 | Renfrew ... | 0 | 4 | 25 | 1 | 51.9 | 0 | 7 | 13 | 10 | 0 | 37.0 | 60 | 11 | 49 | 17 18 | 49 | 6 | 28 | 18 | 12 | 1 | 16 | 5 | 1 | 18 | 9 | 1 | 15 | 10 | 0 | 0 | 3 | 0 | 17 | 0 | 0 | 0 | 0 | 23 |
| | Eskdalemuir ... | 0 | 10 | 19 | 1 | 49.0 | 3 | 12 | 12 | 3 | 0 | 33.5 | 64 | 12 | 48 | 17 | 47 | 6 | 21 | 10 | 18 | 4 | 22 | 0 | 2 | 26 | 0 | 1 | 25 | 0 | 0 | 0 | 0 | 0 | 23 | 0 | 0 | 0 | 0 | 27 |
| 13B | Stornoway | 0 | 16 | 14 | 0 | 48.6 | 0 | 2 | 12 | 16 | 0 | 38.1 | 57 | 23 | 42 | 17 | 48 | 6 | 29 | 29 | * | 0 | 29 | 0 | 0 | 27 | 2 | 0 | 29 | 0 | 0 | 0 | 0 | 0 | 28 | 0 | 0 | 0 | 0 | 26 |
| 15 | Aberdeen ... | 0 | 10 | 17 | 3 | 49.0 | 0 | 2 | 15 | 12 | 1 | 38.0 | 63 | 6 | 42 | 17 | 52 | 6 | 31 | 11 | 4 | 0 | 25 | 2 | 0 | 27 | 1 | 0 | 28 | 0 | 0 | 0 | 0 | 0 | 25 | 0 | 0 | 0 | 0 | 26 |
| 18 | Aldergrove ... | 0 | 3 | 26 | 1 | * | 0 | 12 | 8 | 10 | 0 | * | 61 | 6 | 47 | 3 | 49 | 1 | 24 | 18 | 15 | 3 | 17 | 0 | 0 | 27 | 0 | 0 | 23 | 3 | 0 | 0 | 1 | 0 | 21 | 0 | 0 | 0 | 0 | 30 |
| 19 | Dublin ... (Phœnix Park) | 0 | 1 | 27 | 2 | 53.2 | 0 | 16 | 8 | 6 | 0 | 36.6 | 62 | 6 | 49 | 17 | 48 | 6 | 24 | 18 | 20 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Birr Castle ... | 0 | 0 | 28 | 2 | 53.3 | 0 | 11 | 14 | 5 | 0 | 38.1 | 62 | 12 | 52 | 3 4 | 49 | 2 | 26 | 18 | 4 | 0 | 17 | 0 | 1 | 23 | 0 | 3 | 19 | 0 | 0 | 0 | 2 | 0 | 27 | 0 | 0 | 0 | 0 | 30 |
| 20 | Valentia ... (Cahirciveen) | 0 | 0 | 2 | 5 | 52.4 | 0 | 1 | 16 | 13 | 0 | 42.4 | 63 | 14 | 51 | 4 | 50 | 1 | 32 | 19 | 8 | 3 | 14 | 2 | 2 | 22 | 2 | 2 | 18 | 0 | 0 | 0 | 1 | 0 | 28 | 0 | 0 | 0 | 0 | 29 |

## UPPER AIR TEMPERATURE.

| Pressure. mb. | Normal Height. Feet. | Normal Temperature. °F. | Mildenhall. Mean. °F. | No. of Reports. | Aldergrove. Mean. °F. | No. of Reports. | Mean. °F. | No. of Reports. |
|---|---|---|---|---|---|---|---|---|
| 950 | 1,760 | 42.0 | 40.6 | 39 | 41.6 | 41 | | |
| 850 | 4,700 | 31.8 | 31.3 | 39 | 35.2 | 41 | | |
| 750 | 7,950 | 22.4 | 24.6 | 39 | 28.5 | 41 | | |
| 650 | 11,850 | 11.1 | 14.8 | 39 | 18.1 | 41 | | |
| 550 | 15,720 | -3.3 | 0.8 | 39 | 3.9 | 41 | | |

## UPPER WINDS.

No. of records of Velocity (km./hr.) within fixed limits.

| Station Height. Metres. | Lympne. *No. of Obs. | 6 to 25 | 26 to 50 | 51 to 75 | 76 to 100 | Above 100 (kilometres per hour) | Plymouth (Mt. Batten). *No. of Obs. | 6 to 25 | 26 to 50 | 51 to 75 | 76 to 100 | Above 100 (kilometres per hour) | Holyhead. *No. of Obs. | 6 to 25 | 26 to 50 | 51 to 75 | 76 to 100 | Above 100 (kilometres per hour) | Renfrew. *No. of Obs. | 6 to 25 | 26 to 50 | 51 to 75 | 76 to 100 | Above 100 (kilometres per hour) | Station Height. Metres. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 500 above ground. | 111 | 37 | 63 | 9 | 0 | 0 | 68 | 27 | 35 | 3 | 0 | 0 | 89 | 45 | 34 | 5 | 0 | 0 | 84 | 36 | 29 | 14 | 0 | 0 | 500 above ground. |
| 1000 above M.S.L. | 97 | 28 | 57 | 9 | 2 | 0 | 50 | 20 | 28 | 2 | 0 | 0 | 68 | 30 | 32 | 1 | 0 | 0 | 79 | 43 | 25 | 8 | 1 | 0 | 1000 above M.S.L. |
| 2000 " " | 31 | 9 | 21 | 0 | 1 | 0 | 20 | 4 | 15 | 1 | 0 | 0 | 29 | 8 | 18 | 2 | 0 | 0 | 45 | 20 | 17 | 4 | 2 | 0 | 2000 " " |
| 3000 " " | 13 | 3 | 8 | 2 | 0 | 0 | 9 | 0 | 9 | 0 | 0 | 0 | 12 | 4 | 6 | 2 | 0 | 0 | 22 | 5 | 9 | 7 | 0 | 1 | 3000 " " |
| 4000 " " | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 1 | 0 | 0 | 4 | 0 | 3 | 1 | 0 | 0 | 14 | 3 | 9 | 1 | 1 | 0 | 4000 " " |

† The readings and averages used, are, except in the case of Phœnix Park, the maximum for the period 7 h.-18 h., and the minimum for the period 18 h.-7 h. The readings and averages for Phœnix Park are for daily periods ending 21 h. Averages are for periods of at least 10 years (See M.O.364).

* Winds of 0-5 km./hr. are included in the number of observations.

METEOROLOGICAL OFFICE, AIR MINISTRY, KINGSWAY, LONDON, W.C.2.

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S., Director.

# SUNSHINE, RAINFALL, AND HUMIDITY APRIL 1938.

| District. | Stations. | Sunshine: Number of Days with Duration. Nil. | 0·1—3h. | 3·1—6h. | 6·1—9h. | Above 9h. | Maximum Duration. Hours. | Date. | Total for past 12 months. Hours. | Difference from average. Hours. | Total for Month. Hours. | Difference from average. Hours. | Highest and Lowest Totals on record for Month. First year of record. | Highest. Hrs. | Year. | Lowest. Hrs. | Year. | Rainfall: ‡Number of days with amount. 0, trace or 0·1 mm. | 0·2—1 mm. | 1·1—5 mm. | 5·1—15 mm. | 15·1—25 mm. | Above 25 mm. | Maximum fall in 24 hrs. mm. | Date. | Total for past 12 months. mm. | Difference from Average. mm. | Total for Month.‡ mm. | Difference from Average. mm. | Highest and Lowest Totals on record for Month. First year of record. | Highest. mm. | Year. | Lowest. mm. | Year. | Days with Thunder. | Days with Snow or Sleet. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | London ... (Kew Obsy). | 2 | 11 | 3 | 10 | 4 | 11·0 | 13 | 1471 | +2 | 150 | +4 | 1880 | 144 | '93 | 79 | '20 | 26 | 3 | 1 | 0 | 0 | 0 | 2 | 2 | 510 | -96 | 32 | -34 | 1856 | 101 | '78 | 1 | '12 | 0 | 0 |
| | Croydon ... | 1 | 12 | 6 | 9 | 2 | 10·5 | 10 | 1398 | -127 | 125 | -8 | 1922 | 176 | '27 | 102 | '37 | 27 | 1 | 2 | 0 | 0 | 0 | 1 | 25 | 590 | -89 | 4 | -38 | 1921 | 104 | '26 | 17 | '33 | 0 | 0 |
| | Calshot** ... (Southampton) | 1 | 7 | 5 | 5 | 12 | 11·8 | 11 | 1717 | -29 | 199 | +40 | 1881 | 277 | '93 | 96 | '20 | 29 | 1 | 0 | 0 | 0 | 0 | 0·4 | 2 | 578 | -68 | 0·4 | -37 | 1871 | 110 | '07 | 2 | '12 | 0 | 0 |
| | Lympne ... | 0 | 8 | 5 | 10 | 7 | 12·7 | 27 | 1742 | -23 | 184 | +23 | 1921 | 237 | '21 | 131 | '31 | 22 | 5 | 2 | 1 | 0 | 0 | 7 | 30 | 612 | -112 | 13 | -29 | 1920 | 91 | '26 '35 | 24 | '29 | 0 | 0 |
| 2 | Shoeburyness ... | 1 | 9 | 6 | 9 | 5 | 11·8 | 11 | 1551 | -165 | 157 | +4 | 1919 | 227 | '21 | 94 | '37 | 23 | 6 | 1 | 0 | 0 | 0 | 2 | 2 | 540 | +37 | 5 | -26 | 1920 | 99 | '26 | 14 | '33 | 0 | 0 |
| | Gorleston ... | 0 | 12 | 6 | 8 | 4 | 12·0 | 27 | 1497 | -146 | 145 | -19 | 1908 | 268 | '03 | 69 | '37 | 20 | 4 | 5 | 1 | 0 | 0 | 5 | 18 | 495 | -127 | 20 | -18 | 1871 | 100 | '71 | 3 | '93 | 0 | 2 |
| | Cranwell ... | 1 | 12 | 7 | 5 | 5 | 11·0 | 12 | 1343 | -195 | 133 | -8 | 1921 | 194 | '21 | 84 | '37 | 24 | 5 | 1 | 0 | 0 | 0 | 2 | 29 | 456 | -134 | 4 | -30 | 1917 | 110 | '20 | 16 | '28 | 0 | 0 |
| 3 | Birmingham ... (Edgbaston) | 2 | 8 | 9 | 9 | 2 | 10·8 | 3 | 1298 | -6 | 140 | +13 | 1887 | 233 | '93 | 61 | '91 | 28 | 0 | 2 | 0 | 0 | 0 | 2 | 2 | 518 | -156 | 3 | -41 | 1893 | 118 | '20 | 6 | '12 | 0 | 0 |
| 4 | Ross-on-Wye ... | 0 | 5 | 4 | 8 | 13 | 11·6 | 10 | 1528 | +43 | 218 | +76 | 1915 | 207 | '16 | 72 | '20 | 28 | 1 | 1 | 0 | 0 | 0 | 1 | 2 | 514 | -203 | 1 | -47 | 1859 | 143 | '89 | 4 | '12 | 0 | 0 |
| 5 | Falmouth ... (Observatory) | 1 | 6 | 2 | 6 | 15 | 12·9 | 18 | 1735 | +25 | 240 | +53 | 1881 | 272 | '06 | 112 | '31 | 28 | 2 | 0 | 0 | 0 | 0 | 1 | 23 | 716 | -391 | 1 | -66 | 1871 | 179 | '82 | 2 | '93 | 0 | 0 |
| 7 | Holyhead .. | 0 | 3 | 6 | 6 | 15 | 12·1 | 18 | 1565 | +15 | 240 | +66 | 1914 | 231 | '14 | 91 | '20 | 27 | 1 | 2 | 0 | 0 | 0 | 4 | 2 | 724 | -163 | 5 | -48 | 1871 | 97 | '08 | 6 | '12 | 0 | 0 |
| 8 | Chester ... (Sealand) | 0 | 9 | 3 | 7 | 11 | 12·4 | 18 | 1387 | +11 | 189 | +50 | 1928 | 183 | '23 | 102 | '31 | 27 | 1 | 2 | 0 | 0 | 0 | 3 | 2 | 500 | -161 | 5 | -33 | 1922 | 80 | '37 | 20 | '26 | 0 | 0 |
| 10 | Tynemouth ... | 0 | 12 | 5 | 5 | 8 | 11·4 | 27 | 1209 | * | 155 | * | 1935 | * | * | * | * | 23 | 5 | 2 | 0 | 0 | 0 | 2 | 29 | 611 | -10 | 6 | -30 | 1915 | 110 | '34 | 13 | '15 | 0 | 0 |
| 11 | Leuchars ... | 3 | 10 | 8 | 4 | 5 | 11·9 | 11 | 1409 | -61 | 135 | -14 | 1922 | 191 | '36 | 98 | '37 | 26 | 4 | 0 | 0 | 0 | 0 | 1 | 23 | 614 | -39 | 2 | -38 | 1922 | 117 | '34 | 13 | '36 | 0 | 1 |
| 12 | Renfrew ... | 5 | 7 | 3 | 3 | 12 | 12·3 | 29 | 1249 | +56 | 179 | +46 | 1921 | 162 | '21 '22 | 73 | '37 | 24 | 3 | 2 | 1 | 0 | 0 | 12 | 2 | 818 | -121 | 18 | -39 | 1921 | 124 | '25 | 15 | '21 | 0 | 1 |
| | Eskdalemuir ... | 3 | 5 | 8 | 7 | 7 | 11·8 | 10 | 1183 | -18 | 177 | +49 | 1910 | 134 | '14 | 64 | '37 | 22 | 5 | 2 | 0 | 1 | 0 | 17 | 2 | 1223 | -206 | 23 | -63 | 1910 | 191 | '25 | 20 | '18 | 0 | 3 |
| 13B | Stornoway | 4 | 12 | 4 | 3 | 7 | 14·1 | 29 | 1128 | -87 | 140 | 10 | 1881 | 216 | '06 | 105 | '33 '37 | 14 | 11 | 5 | 0 | 0 | 0 | 5 | 1 | 990 | -276 | 22 | -55 | 1870 | 172 | '04 | 10 | '31 | 0 | 2 |
| 15 | Aberdeen ... | 4 | 11 | 7 | 4 | 4 | 12·0 | 10 | 1264 | -65 | 121 | -23 | 1881 | 235 | '06 | 81 | '37 | 18 | 8 | 2 | 2 | 0 | 0 | 6 | 2 | 639 | -109 | 20 | -28 | 1871 | 156 | '34 | 10 | '12 | 0 | 2 |
| 18 | Aldergrove ... | 0 | 9 | 5 | 5 | 11 | 13·8 | 30 | 1258 | * | 193 | * | 1927 | 175 | '36 | 57 | '37 | 26 | 3 | 1 | 0 | 0 | 0 | 4 | 2 | 675 | -163 | 6 | -48 | 1926 | 75 | '32 | 19 | '36 | 0 | 0 |
| 19 | Dublin ... (Phœnix Park) | 1 | 6 | 3 | 10 | 10 | 12·8 | 17 | 1316 | -121 | 208 | +49 | 1881 | 238 | 14 | 81 | '37 | 29 | 0 | 1 | 0 | 0 | 0 | 1 | 2 | 516 | -186 | 1 | -45 | 1865 | 98 | '77 | 10 | '73 | 0 | 0 |
| | Birr Castle ... | 1 | 6 | 4 | 4 | 15 | 13·1 | 30 | 1284 | -22 | 229 | +77 | 1881 | [illegible] | '14 | 70 | '37 | 27 | 2 | 1 | 0 | 0 | 0 | 3 | 2 | 729 | -98 | 4 | -50 | 1862 | 121 | '34 | 18 | '30 | 0 | 0 |
| 20 | Valentia ... (Cahirciveen) | 1 | 6 | 0 | 3 | 20 | 13·2 | 29 | 1443 | +81 | 262 | +101 | 1880 | [illegible] | '87 | 75 | '05 | 26 | 3 | 1 | 0 | 0 | 0 | 1 | 2 | 1290 | -124 | 2 | 51 | 1866 | 167 | '01 | 28 | '93 | 0 | 0 |

## MINIMUM SURFACE HUMIDITY.

No. of Days (Mdt. to Mdt.) with Minima between Fixed Limits.

| Stations. | 95 to 100 % | 90 to 94 % | 80 to 89 % | 70 to 79 % | 60 to 69 % | 50 to 59 % | 40 to 49 % | 30 to 39 % | 20 to 29 % | 0 to 19 % |
|---|---|---|---|---|---|---|---|---|---|---|
| London (Kew) | 0 | 0 | 0 | 0 | 2 | 8 | 16 | 3 | 1 | 0 |
| Ross-on-Wye ... | 0 | 0 | 3 0 | 3 0 | 1 3 | 13 3 | 8 11 | 8 13 | 0 | 0 |
| Falmouth (Obsy.) | 0 | 1 | 2 | 7 | 8 | 12 | 0 | 0 | 0 | 0 |
| Renfrew ... | 0 | 0 | 1 | 6 | 3 | 11 | 8 | 1 | 0 | 0 |
| Eskdalemuir ... | 0 | 0 | 1 | 2 | 3 | 6 | 15 | 2 | 1 | 0 |
| Aberdeen ... | 0 | 0 | 0 | 1 | 4 | 12 | 13 | 0 | 0 | 0 |
| Valentia ... | 0 | 0 | 1 | 3 | 3 | 13 | 8 | 2 | 0 | 0 |

## STATE OF GROUND AT 18 h.

No. of Days each type was recorded.

| Stations. | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|---|
| London (Kew) | 22 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ross-on-Wye | 29 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Renfrew ... | 27 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Eskdalemuir | 22 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Aberdeen ... | 23 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Valentia ... | 25 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

**CODE for State of Ground.**

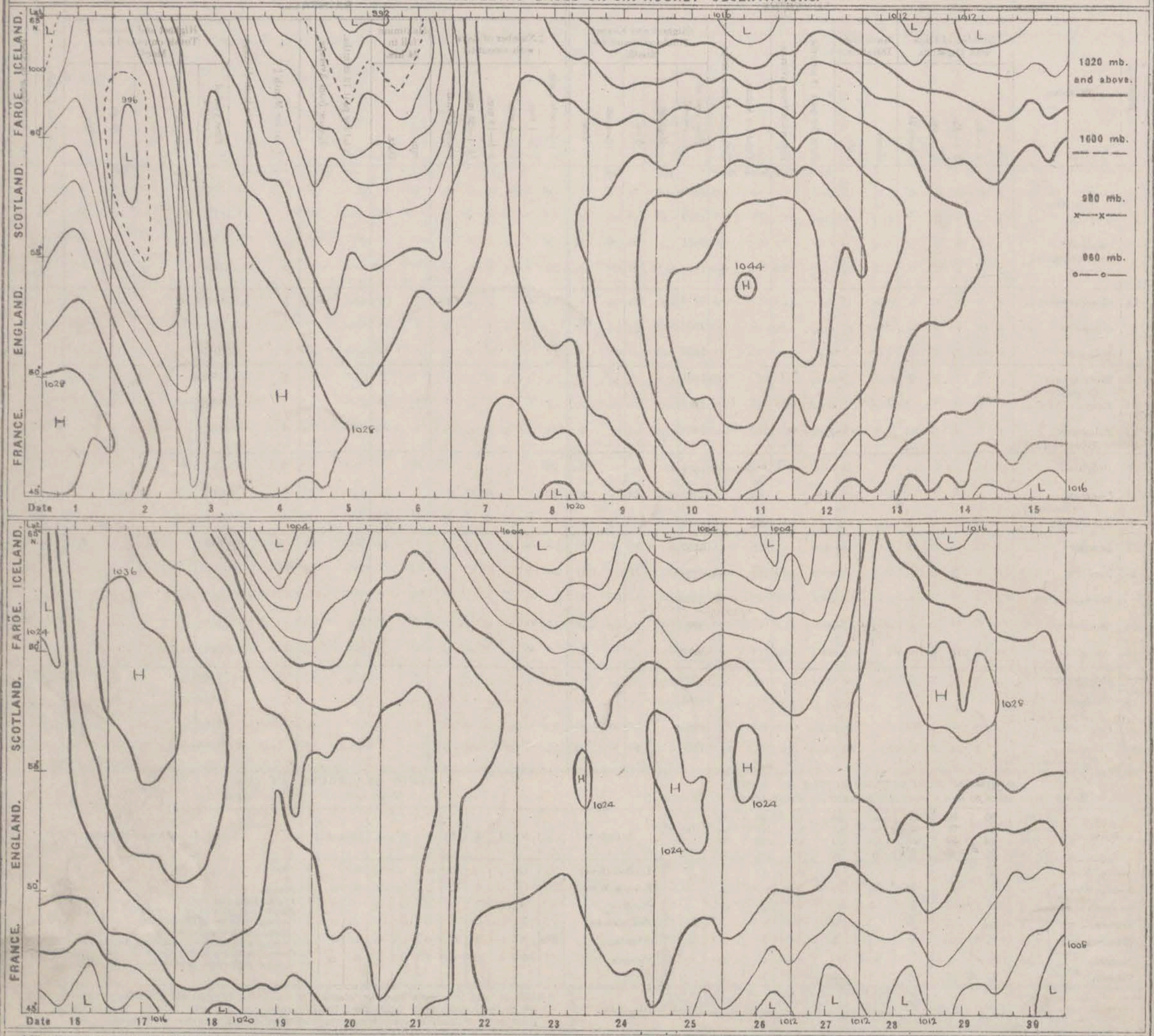
0 Dry.
1 Wet.
2 Flooded.
3 Frozen hard and dry.
4 Partly covered with snow or hail.
5 Covered with ice or glazed frost.
6 Covered with thawing snow.
7 Covered with snow, less than 6 ins., but ground not frozen.
8 Covered with snow, less than 6 ins., and ground frozen.
9 Covered with snow, greater than 6 ins. deep.

** In extremes of rainfall and sunshine from Calshot are supplemented by those from Southampton.

‡ Based in part on reports made by telegraph in which the day and night measurements are rounded off to the nearest whole millimetre. Small discrepancies may arise between these totals and those given in the Monthly Weather Report which are based on readings taken to 0·1 mm.

# PRESSURE: ICELAND TO GULF OF LIONS APRIL 1938.

ISOPLETHS BASED ON SIX-HOURLY OBSERVATIONS.




* The diagram is obtained by drawing a line from Akureyri in Iceland to the south of France near Marseilles. The points at which the isobars drawn for 4 mb. pressure intervals intersect this line at 1h., 7h., 13h., and 18h. are plotted consecutively and joined to shew the variation of pressure from day to day at any point in the line. The line terminates at Lat. 66° N., Long. 18° W., in the north; at Lat. 44½° N., Long. 4° E., in the south.

H.M. Stationery Office Press, Kingsway, W.C.2

949(3467) m.8053. D.3714. Gp.948. 990. 5/38

Page 1.

AIR MINISTRY.

# THE DAILY WEATHER REPORT

## OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Friday, 1st April, 1938.
No. 27889.

### OBSERVATIONS at 13h. G.M.T. 31st March

| District | Stations (For heights see p. 4.) | Barom. at M.S.L. mb. (1) | Change in 3 hours (2) | Wind Direc. (3) | Wind Force 0–12 (4) | Weather (5) | Temp. °F. (6) | % Humid. (7) | Visibility 0–9 (8) | Cloud Form Low (9) | Cloud Form Med. (10) | Cloud Form High (11) | Cloud Amount Low 0–10 (12) | Cloud Amount Total 0–10 (13) | Height of Base (feet) (14) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | London (Kew) | 1026·2 | −12 | W | 3 | b | 60 | 55 | 8 | 1 | - | - | Tr | Tr | 2500 |
| | Croydon ... | 1026·5 | −10 | W | 3 | b | 61 | 55 | 8 | - | - | - | 0 | 0 | - |
| | S. Farnborough | 1026·6 | −14 | W | 4 | b | 59 | 55 | 8 | - | - | - | 0 | 0 | - |
| | Boscombe Down | 1027·5 | −12 | W | 4 | b | 57 | 65 | 9 | 7 | - | - | Tr | Tr | 2500 |
| | Calshot (Sthmtn.) | 1027·9 | −6 | SSW | 4 | b | 57 | 65 | 8 | 1 | - | - | Tr | Tr | 2500 |
| | Lympne ... | 1027·1 | −8 | WSW | 3 | b | 56 | 75 | 8 | 1 | - | - | Tr | Tr | 2500 |
| | Manston ... | 1026·7 | −10 | WSW | 3 | bc | 58 | 65 | 7 | 1 | - | - | 2·3 | 2·3 | 1500 |
| 2 | Shoeburyness ... | 1025·8 | −8 | SW'W | 3 | bc | 59 | 65 | 6 | 5 | - | - | 4·6 | 4·6 | 2500 |
| | Felixstowe ... | 1025·3 | −4 | WSW | 3 | b | 59 | 55 | 8 | 1 | - | - | 1 | 1 | 2500 |
| | Gorleston ... | 1023·8 | −2 | W'S | 4 | b | 60 | 65 | 7 | 1 | - | - | Tr | Tr | 2500 |
| | Mildenhall ... | 1024·5 | −4 | W'N | 4 | bc | 60 | 65 | 8 | 4 | - | - | 4·6 | 4·6 | 4000 |
| | Cranwell ... | 1024·7 | +6 | WSW | 5 | bc | 63 | 55 | 7 | 7 | 4 | - | 4·6 | 4·6 | 2500 |
| 3 | Birmingham ... | 1024·5 | −2 | W | 3 | b | 60 | 55 | 8 | 1 | 7 | - | 1 | 1 | 2500 |
| | Upper Heyford | 1025·9 | −10 | W'N | 4 | b | 62 | 55 | 8 | 1 | - | - | Tr | Tr | 2500 |
| 4 | Ross-on-Wye | 1025·6 | −6 | WSW | 3 | b | 62 | 55 | 8 | 1 | - | 8 | Tr | Tr | 4000 |
| 5 | Bristol ... | 1028·4 | 0 | W'S | 3 | bc | 52 | 85 | 8 | 7 | - | - | 4·6 | 4·6 | 1500 |
| | Portland Bill ... | 1028·6 | +4 | WSW | 2 | bc | 49 | 85 | 8 | 2 | - | - | 4·6 | 4·6 | 2500 |
| | Plymouth ... | 1030·0 | +2 | SW'W | 3 | c | 50 | 92 | 8 | 5 | - | - | 10 | 10 | 1500 |
| | The Lizard ... | 1030·3 | 0 | WSW | 2 | c | 51 | 85 | 8 | 8 | 2 | - | 9 | 10 | 1500 |
| | Scilly (St. Mary's) | 1030·3 | 0 | W | 3 | jp | 50 | 85 | 8 | 8 | - | - | 9+ | 9+ | 1500 |
| | Guernsey ... | 1030·1 | −2 | NW | 1 | o | 49 | 92 | 7 | 5 | - | - | 10 | 10 | 2500 |
| 6 | Pembroke ... | 1028·3 | 0 | SW'W | 5 | if | 47 | 97 | 6 | 5 | 2 | - | 4·6 | 9+ | 2500 |
| 7 | Holyhead ... | 1024·6 | −4 | SW | 4 | c | 52 | 85 | 8 | 1 | - | 6 | Tr | 7·8 | 2500 |
| | Chester (Sealand) | 1024·9 | +6 | SW'W | 4 | bc | 60 | 55 | 8 | 1 | 4 | 6 | Tr | 4·6 | 2500 |
| 8 | Manchester ... | 1024·0 | −2 | W | 5 | c | 60 | 65 | 8 | 1 | 6 | - | 2·3 | 7·8 | 4000 |
| 10 | Spurn Head ... | 1022·5 | +4 | NW'W | 4 | c | 57 | 85 | 6 | - | 4 | 6 | 0 | 7·8 | - |
| | Catterick ... | 1021·3 | +10 | WSW | 4 | c | 51 | 85 | 8 | 4 | 2 | - | 9 | 9+ | 1500 |
| | Tynemouth ... | 1018·8 | +4 | W | 5 | q | 55 | 85 | 7 | 8 | 2 | - | 7·8 | 9+ | 1500 |
| 11 | St. Abbs Head | 1015·2 | −2 | W | 8 | q | 57 | 75 | 8 | 3 | 7 | 2 | 4·6 | 7·8 | 2500 |
| | Leuchars ... | 1014·4 | −6 | WSW | 5 | c | 57 | 85 | 8 | 8 | 7 | - | 9 | 9+ | 1500 |
| 12 | Renfrew (Abbots I.) | 1016·7 | −12 | W'S | 6 | c/d | 55 | 85 | 7 | 5 | - | - | 9+ | 9+ | 800 |
| | Eskdalemuir ... | 1018·3 | −2 | WSW | 6 | c/r | 51 | 85 | 7 | 5 | - | - | 9+ | 9+ | 800 |
| | Point of Ayre... | 1021·8 | +4 | W | 6 | bc | 58 | 75 | 8 | 2 | 4 | - | 1 | 4·6 | 800 |
| 13A | Tiree ... | 1014·5 | −2 | SW'W | 6 | $d_od_o$ | 51 | 97 | 5 | 5 | - | - | 10 | 10 | 450 |
| 13B | Stornoway ... | 1007·9 | −28 | WSW | 7 | $r_or_o$ | 52 | 92 | 6 | 5 | 2 | - | 7·8 | 10 | 1500 |
| 15 | Dalwhinnie ... | 1013·6 | −8 | SW | 5 | ir | 52 | 85 | 7 | 4 | 2 | - | 4·6 | 10 | 1500 |
| | Aberdeen ... | 1011·1 | −14 | W'S | 4 | bc | 64 | 55 | 8 | 8 | 4 | 9 | 4·6 | 4·6 | 2500 |
| | Wick ... | 1008·8 | −6 | W | 3 | c | 53 | 85 | 8 | 8 | 1 | - | 7·8 | 9 | 1500 |
| 16 | Lerwick ... | 1004·6 | +2 | W | 6 | c | 48 | 85 | 8 | 5 | 2 | - | 4·6 | 10 | 1500 |
| 17 | Blacksod Point | 1022·1 | +6 | SW | 6 | q | 53 | 92 | 8 | 5 | - | - | 9+ | 9+ | 800 |
| 18 | Malin Head ... | 1018·6 | +2 | SW'W | 5 | c | 54 | 92 | 7 | 8 | 7 | - | 7·8 | 9+ | 1500 |
| | Aldergrove ... | 1021·7 | +2 | SW'S | 5 | c/d | 53 | 85 | 8 | 5 | - | - | 10 | 10 | 1500 |
| 19 | Birr Castle ... | 1025·1 | +4 | SW | 3 | c | 55 | 75 | 8 | 5 | - | - | 9+ | 9+ | 1500 |
| 20 | Valentia Obsy. † | 1027·4 | +2 | SW | 4 | c/pr | 53 | 92 | 8 | 8 | - | - | 9 | 9 | 1500 |
| | Roches Point | 1027·6 | * | W | 2 | f | 51 | 92 | 9 | 8 | 1 | - | 7·8 | 9+ | 1500 |

### OBSERVATIONS at 18h. G.M.T. 31st March — PAST 24 HOURS

| Stations | Barom. at M.S.L. mb. (15) | Change in 3 hours (16) | Wind Direc. (17) | Wind Force 0–12 (18) | Weather (19) | Temp. °F. (20) | % Humid. (21) | Visibility 0–9 (22) | Cloud Form Low (23) | Cloud Form Med. (24) | Cloud Form High (25) | Cloud Amount Low 0–10 (26) | Cloud Amount Total 0–10 (27) | Height of Base (feet) (28) | State of Ground 0–9 (29) | Sea 0–9 (30) | Weather 7h.–13h. 31st (37) | Weather 13h.–18h. 31st (38) | Weather 18h. 31st to 1h. 1st (39) | Weather 1h.–7h. 1st (40) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| London (Kew) | 1025·3 | 0 | WSW | 3 | b | 61 | 55 | 8 | - | - | 4 | 0 | 1 | - | 0 | * | cbcb | by | byb | c |
| Croydon | 1025·4 | −2 | WSW | 4 | b | 62 | 55 | 8 | - | 4 | - | 0 | Tr | - | 0 | * | $cm_ob$ | by | bzmbwqc | $cm_o$ |
| S. Farnborough | 1026·0 | −2 | W | 3 | b | 59 | 65 | 8 | - | - | 1 | 0 | Tr | - | 0 | * | cmcby | by | $b, cm_o$ | $cm_o$ |
| Boscombe Down | 1027·3 | +2 | W'S | 4 | bc | 54 | 85 | 8 | 1 | - | 1 | 1 | 2·3 | 2500 | 0 | * | cbcb | b | $b, cm_o$ | $cm_oc$ |
| Calshot (Sthmtn.) | 1027·4 | +2 | SW'W | 5 | b | 51 | 85 | 7 | - | 4 | - | 0 | 1 | - | 0 | 3 | cbcb | b | bwo | oc |
| Lympne | 1026·1 | 0 | SW'S | 3 | b | 50 | 85 | 7 | - | - | - | 0 | 0 | - | 0 | § 3 | bccb | b | $bw, m_o$ | $bm_ofm$ |
| Manston | 1025·2 | −4 | SW | 2 | b | 55 | 85 | 8 | - | 4 | - | 0 | 1 | - | 0 | * | cbbc | bcbyb | $bwm_o$ | $bwm_ocm$ |
| Shoeburyness | 1024·7 | −4 | W'S | 2 | b | 59 | 65 | 6 | - | 4 | - | 0 | Tr | - | 0 | * | $bmcbcz_o$ | $bcbyz_o$ | $bz_ow$ | bmwem |
| Felixstowe | 1024·0 | −4 | SW'W | 2 | bc | 61 | 55 | 8 | - | - | 3 | 0 | 2·3 | - | 0 | 2 | $bm_ocbc$ | bvy | bvybw | bcwbc |
| Gorleston | 1022·7 | −2 | WSW | 2 | c | 62 | 65 | 6 | 7 | 7 | - | 4·6 | 7·8 | 2500 | 0 | 2 | b | bbcc | cbcb | bbcc |
| Mildenhall | 1023·5 | −2 | WSW | 3 | bc | 59 | 65 | 8 | - | 7 | 6 | 0 | 4·6 | - | 0 | * | bc | bcy | bcbw | bbc |
| Cranwell | 1022·9 | −2 | SW | 3 | c | 57 | 75 | 8 | 5 | 3 | 1 | 7·8 | 9+ | 5700 | 0 | * | bbc | bcyc | cbcb | c |
| Birmingham | 1024·0 | +2 | WNW | 3 | bc | 59 | 55 | 8 | - | 3 | 1 | 0 | 2·3 | - | 0 | * | cb | bbc | bcb | b,c |
| Upper Heyford | 1025·5 | +2 | WSW | 4 | bc | 57 | 75 | 7 | - | 5 | 6 | 0 | 4·6 | - | 0 | * | cbcb | by | bcb | bbcc |
| Ross-on-Wye | 1025·6 | 0 | SW'W | 3 | b | 55 | 65 | 8 | - | - | 1 | 0 | 1 | - | 0 | * | bbvby | by | b | bwbcc |
| Bristol | 1027·5 | −2 | W | 4 | c | 48 | 97 | 7 | 5 | - | 1 | 7·8 | 7·8 | 800 | 0 | * | cbc | bc | $bccm_o$ | $cm_o$ |
| Portland Bill | 1027·9 | −6 | W | 3 | bc | 47 | 92 | 8 | 1 | - | - | 2·3 | 2·3 | 2500 | 1 | 3 | cbc | bcbc | fc | c |
| Plymouth | 1029·0 | −2 | SW'W | 3 | $z_o$ | 49 | 92 | 6 | 5 | - | - | 10 | 10 | 1500 | 0 | 2 | $cid_om_oc$ | $cm_o$ | $cm_o$ | $coid_om_o$ |
| The Lizard | 1029·4 | −4 | W | 2 | c | 47 | 92 | 8 | 5 | 1 | - | 9+ | 10 | 1500 | 1 | 2 | $cid_oc$ | $cidm_o$ | c | c |
| Scilly (St. Mary's) | 1029·6 | −4 | W'N | 3 | c | 48 | 92 | 8 | 8 | - | - | 9+ | 9+ | 1500 | 1 | 2 | $ifd_oc$ | $cd_oc$ | c | c |
| Guernsey | 1029·7 | −2 | WSW | 1 | $ir_o$ | 46 | 92 | 6 | 5 | - | - | 10 | 10 | 800 | 1 | 1 | $cir_o$ | $oir_o$ | $oir_om$ | $oir_o$ |
| Pembroke | 1027·4 | −2 | WSW | 4 | $id_o$ | 46 | 97 | 6 | 8 | - | - | 9+ | 9+ | 1500 | 1 | 3 | ifdqc | qifidmc | cbc wqb | $bcpr_oc$ |
| Holyhead | 1024·2 | −2 | SW'S | 4 | c | 49 | 92 | 7 | 5 | 8 | - | 4·6 | 9 | 450 | 1 | 2 | cbcc | cbcc | om bw | bwc |
| Chester (Sealand) | 1024·7 | −2 | SSW | 2 | bc | 54 | 75 | 8 | 5 | 4 | 1 | Tr | 2·3 | 2600 | 0 | * | bbc,z | bcb | bcb | bwc |
| Manchester | 1024·0 | 0 | SW'W | 3 | $z_o$ | 55 | 75 | 6 | - | 4 | 1 | 0 | 4·6 | - | 1 | * | $bcz_o$ | $bcz_o$ | $bczm_o$ | $cm_o$ |
| Spurn Head | 1021·9 | 0 | SW'W | 3 | c | 56 | 85 | 6 | 4 | 6 | 6 | 4·6 | 9+ | 4000 | 0 | 2 | bcc | c | ocbc | coc |
| Catterick | 1021·2 | −2 | SW'W | 4 | c | 52 | 85 | 7 | 4 | 3 | - | 4·6 | 7·8 | 1500 | 0 | * | c | cbccbc | bbcc | c |
| Tynemouth | 1019·1 | +14 | W | 4 | c | 56 | 75 | 6 | 8 | - | - | 9+ | 9+ | 1500 | 0 | 2 | bccq | cbccq | $cp_oc$ | $cp_obc$ |
| St. Abbs Head | 1014·2 | 0 | W | 8 | q | 55 | 85 | 8 | 3 | 7 | - | 7·8 | 10 | 2500 | 0 | 4 | cq (gale) | cq (gale) | cbcbq | c |
| Leuchars | 1012·9 | −6 | WSW | 6 | bc | 55 | 85 | 8 | 8 | 6 | - | 2·3 | 4·6 | 2500 | 0 | * | $cd_od_oid_o$ | $pr_ocbcq$ | bcbqb | bwbc |
| Renfrew (Abbots I.) | 1017·1 | +2 | W'S | 6 | $r_or_o$ | 52 | 97 | 6 | 5 | - | - | 10 | 10 | 800 | 1 | * | $cm_oid_oc$ | $cid_oir_o$ | $r_or_om$bc | cbcc |
| Eskdalemuir | 1016·5 | −10 | W'S | 7 | c | 53 | 75 | 7 | 5 | - | 1 | 9 | 9 | 1500 | 1 | * | $cr_or_o$ | $cid_od$ | $dr_or_o$ | $r_or_oc$ |
| Point of Ayre | 1021·8 | −2 | W | 5 | bc | 53 | 92 | 8 | 2 | 4 | 8 | Tr | 4·6 | 800 | 0 | 3 | cbc | bc | bcc | c |
| Tiree | 1016·7 | +22 | WNW | 4 | c | 49 | 97 | 7 | 5 | 3 | 2 | 2·3 | 10 | 800 | 1 | 3 | $om_or_od$ | odirc | c | c |
| Stornoway | 1012·2 | +24 | WSW | 6 | c | 49 | 85 | 8 | 5 | 7 | - | 4·6 | 7·8 | 2500 | 1 | 3 | $cr_or_om_o$ | $cr_or_o$ | cpr | cpr |
| Dalwhinnie | 1014·1 | −12 | SW | 5 | rr | 50 | 85 | 6 | 8 | 6 | 1 | 7·8 | 10 | 1500 | 1 | * | crr | crr | * | irocbc |
| Aberdeen | 1010·6 | +6 | W'N | 4 | c | 60 | 55 | 8 | 5 | 4 | 1 | 7·8 | 7·8 | 2500 | 0 | 2 | cbc | $pr_obcy$ | $cpr_obc$ | $bccpr_o$ |
| Wick | 1009·4 | +20 | NW | 4 | c | 47 | 97 | 8 | 8 | 7 | 8 | 4·6 | 7·8 | 1500 | 1 | 2 | c | cRrc | $bcpr_o$ | bcc |
| Lerwick | 1005·3 | +8 | W | 4 | c/pr | 45 | 92 | 8 | 8 | 7 | - | 7·8 | 9 | 1500 | 1 | * | c (gale) | $cpr_orr$ | bccprq | bccpr |
| Blacksod Point | 1022·6 | +4 | SSW | 5 | q | 52 | 92 | 7 | 5 | - | - | 10 | 10 | 450 | 1 | 4 | cq | cq | c | c |
| Malin Head | 1019·3 | +4 | W | 5 | dr | 51 | 92 | 6 | 6 | 2 | 7 | 7·8 | 10 | 800 | 1 | 3 | c | cidr | $circcir_o$ | $cid_oc$ |
| Aldergrove | 1021·1 | −2 | SW'S | 4 | c | 54 | 85 | 8 | 5 | 5 | 2 | 4·6 | 7·8 | 1500 | 1 | * | $oid_oc$ | cbc | $bcc,d_o$ | $coid_om_o$ |
| Birr Castle | 1025·1 | +2 | W | 2 | c | 53 | 75 | 8 | 5 | - | - | 9+ | 9+ | 1500 | 1 | * | c | c | c | c |
| Valentia Obsy. † | 1027·1 | +2 | SW'W | 3 | $pr_o$ | 51 | 92 | 7 | 5 | - | - | 9+ | 9+ | 450 | 1 | 2 | $cidpr_oc$ | $cpr_o$ | $cpr_oc$ | c |
| Roches Point | 1027·4 | * | W | 3 | c | 51 | 97 | 9 | 5 | - | - | 9 | 9 | 1500 | 1 | 2 | $cid_oc$ | $cid_oc$ | $cid_oc$ | c |

## EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

### COLUMNS 5, 19, 37, 38, 39, 40—BEAUFORT NOTATION AND SYMBOLS FOR WEATHER.

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog „ less than 220 yds.
fs, low fog over sea (coast station).
fg, low fog over land (inland station).
m. mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jf, fog at a distance, but not at station.
jp, precipitation within sight of station.
ks, storm of drifting snow.
$k/s_o$, slight storm of drifting snow (generally low).
k/S, heavy storm of drifting snow (generally low).
$s_o/k$, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze: the turbid atmosphere of dry weather.
h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus R, heavy rain. $r_o$, slight rain. rr, continuous rain.
<, less than (for cloud height).
⊕, Solar halo. ⦶ lunar halo. ⫽ gale.
With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions thus:—bc/r, fair weather after rain; —, has decreased; +, has increased.

### COLUMNS 9, 23.—FORM OF LOW CLOUD.

0 No low clouds.
1 Fair weather Cu.
2 Large Cu without anvil.
3 Cb.
4 Sc formed by the spreading out of Cu.
5 Layer of St or Sc.
6 Ragged low clouds of bad weather (or fractonimbus).
7 Fair weather Cu. and Sc.
8 Large-Cu (or Cb) and Sc.
9 Large-Cu (or Cb) and ragged low clouds of bad weather.

### COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4-6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries. "tr" signifies a small amount of cloud (trace) covering less than 1/20 of the sky. "9+" signifies an overcast sky with a few small openings.

### COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

0 No medium clouds.
1 Typical As (thin).
2 Typical As (thick) (sun or moon invisible), or Nimbostratus (Ns).
3 Single layer of Ac or high Sc.
4 Ac in isolated patches. Individually decreasing (often lenticular).
5 Ac in bands (increasing).
6 Ac formed from the spreading out of Cu.
7 Ac associated with As or As with parts resembling Ac.
8 Ac Castellatus (or Ac in ragged fragments).
9 Ac in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

### COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

0 No cirriform cloud.
1 Fine Ci not increasing: sparse.
2 Fine Ci not increasing: abundant but not a continuous layer.
3 Anvil Ci (usually dense).
4 Fine Ci increasing: usually in tufts.
5 Ci or Cs increasing: still below 45° altitude: often in polar bands.
6 Ci or Cs increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Cs covering whole sky.
8 Cs not increasing and not covering whole sky.
9 Cc predominating, and a little cirrus.
(Cc may occur with any of the types 1 to 8).

Cloud form abbreviations:—
Cirrus,–Ci: Cirrocumulus,–Cc: Cirrostratus,–Cs: Altocumulus,–Ac: Altostratus,–As
Stratocumulus,–Sc: Stratus,–St: Nimbostratus,–Ns: Cumulus,–Cu: Cumulonimbus,–Cb

### COLUMN 29.—STATE OF GROUND.

0 .. Ground dry.
1 .. „ wet.
2 .. „ flooded.
3 .. „ frozen hard and dry.
4 .. „ partly covered with snow or hail.
5 .. „ covered with ice or glazed frost.
6 .. Ground covered with thawing snow.
7 .. „ covered with snow, less than 6 ins., deep but ground not frozen.
8 .. „ covered with snow, less than 6 ins., but ground frozen.
9 .. „ covered with snow greater than 6 ins. deep.

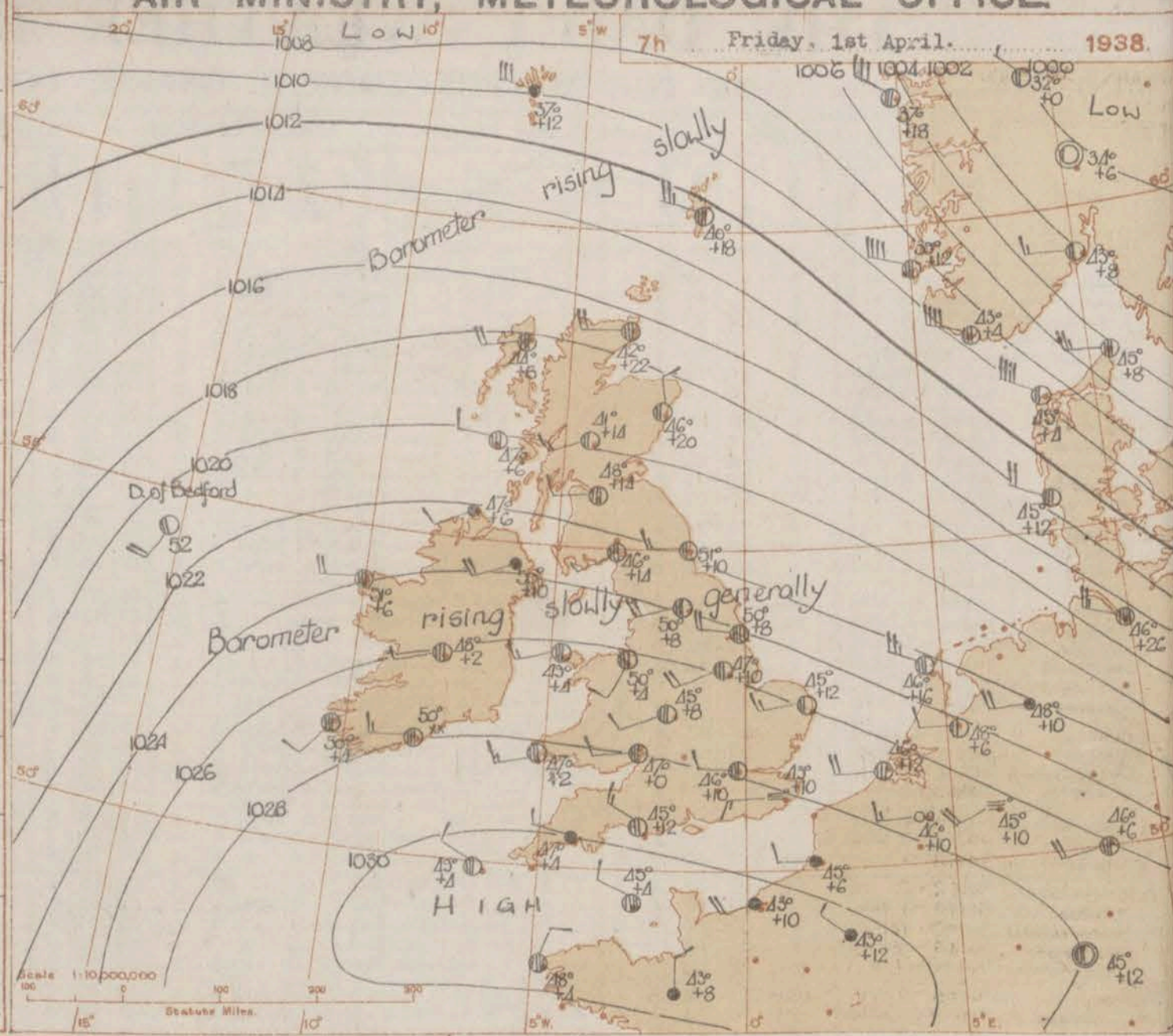
NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

† Sea disturbance reported from Dungeness.

## REPORTS from HEALTH RESORTS for 31st March 1938

| Districts. | Stations. | Weather. Forenoon. | Weather. Afternoon. | Temperature. (°F.) Min. 9h. 30th to 9h. 31st. | Temperature. (°F.) Max. 9h.—17h. 31st. | Rainfall. (mm.) Night. 17h. 30th to 9h. 31st. | Rainfall. (mm.) Day. 9h.—17h. 31st. | Sunshine. (H. s.) Sunrise to 17h. 31st. | Sunshine. (H. s.) Sunrise to Sunset. 30th. |
|---|---|---|---|---|---|---|---|---|---|
| 1 | Tunbridge W. | cbcb | b | 44 | 65 | – | – | 7·5 | 6·7 |
| | Bournemouth | bcb | b | 47 | 61 | – | – | 6·3 | 1·6 |
| | Ventnor ... | cpc | bz | 47 | 54 | – | – | 7·2 | 5·5 |
| | Southsea ... | b | b | 48 | 61 | – | – | 8·2 | 5·2 |
| | Bognor Regis | bcb | b | 48 | 56 | – | – | 8·0 | 7·9 |
| | Littlehampton | cbcb | b | 48 | 56 | – | – | 8·0 | 6·3 |
| | Worthing ... | b | b | 48 | 56 | – | – | 7·7 | 8·5 |
| | Brighton ... | cb | b | 48 | 54 | – | – | 7·4 | 6·1 |
| | Eastbourne† ... | ocb | b | 47 | 54 | – | – | 7·0 | 7·3 |
| | Hastings† ... | ocbcb | b | 45 | 56 | – | – | 6·7 | 7·0 |
| | Folkestone ... | ocbcb | b | 45 | 55 | – | – | 6·2 | 4·4 |
| | Dover ... | bcc | cb | 45 | 61 | – | – | 6·6 | 6·4 |
| | Deal ... ... | bccb | b | 48 | 59 | – | – | 6·6 | 7·5 |
| | Ramsgate ... | bc | bc | 49 | 60 | – | – | 8·4 | 8·3 |
| | Margate ... | bc | bcb | 50 | 61 | – | – | 10·3 | 7·3 |
| 2 | Southend ... | obcb | b | 45 | 66 | – | – | 7·6 | 6·4 |
| | Clacton-on-Sea | bbc | bcby | 48 | 64 | – | – | 9·6 | 6·6 |
| | Dovercourt ... | bcv | bv | *49 | 64 | – | – | 9·3 | 6·2 |
| | Lowestoft ... | b | b | 45 | 68 | – | – | 10·6 | 4·9 |
| | Skegness ... | b | bbc | 45 | 66 | – | – | 8·4 | 1·5 |
| | Mablethorpe... | b | bbcc | 45 | 65 | – | – | 8·9 | 1·0 |
| | Cleethorpes ... | b | bcc | 49 | 65 | – | – | 8·0 | 0·0 |
| 3 | Leamington S. | bcb | bbc | 46 | 64 | – | – | 9·0 | 4·8 |
| 4 | Cheltenham† | bcb | bbq | 44 | 62 | – | – | 9·1 | 1·7 |
| 5 | Bath ... ... | cbcb | bbc | 47 | 57 | – | – | 6·1 | 2·0 |
| | Weymouth ... | c | b | 51 | 55 | – | – | 5·2 | 0·3 |
| | Jersey ... | cdc | cbc | 46 | 56 | Trace | – | 2·7 | 0·2 |
| | Torquay ... | bcb | bcb | 47 | 60 | – | – | 6·6 | 0·9 |
| | Falmouth | od, co | c | 46 | 52 | Trace | Trace | 0·0 | 0·3 |
| | Penzance ... | o | c | 46 | 52 | – | – | 0·1 | 1·8 |
| | St. Ives ... | o | o | 43 | 56 | – | – | 0·0 | 4·6 |
| | Bude... ... | mdc | mdc | 46 | 50 | 0·3 | Trace | 1·0 | 0·3 |
| | Ilfracombe ... | domoc | cocom | 46 | 50 | 0·4 | – | 2·4 | 0·0 |
| 6 | Aberystwyth | cbcc | bc | 46 | 50 | – | – | 5·4 | 0·0 |
| 7 | Llandudno ... | bbcc | bcb | 49 | 56 | – | – | 8·5 | 4·3 |
| | Colwyn Bay... | bbc | bcb | 51 | 59 | – | – | 8·4 | 3·2 |
| | Rhyl ... ... | bbcc | cbcb | 49 | 59 | – | – | 8·3 | 3·1 |
| 8 | Wallasey ... | b | bbcb | 50 | 59 | – | – | 9·2 | 3·1 |
| | Southport ... | bbc | bcb | 49 | 57 | – | – | 8·5 | 0·8 |
| | Blackpool ... | czbcb | bc | 48 | 55 | – | – | 6·9 | 1·6 |
| | Morecambe ... | c | cbc | 48 | 52 | – | – | 1·1 | 3·0 |
| 9 | Ilkley... ... | c | c | 48 | 57 | – | – | 0·4 | 0·0 |
| | Harrogate ... | cq | cbcq | 49 | 56 | – | – | 2·1 | 0·1 |
| 10 | Berwick-on-T. | cr | cbcc | 53 | 59 | – | Trace | 2·6 | 0·9 |
| 11 | Dunbar ... | cm | cpr | 51 | 57 | – | Trace | 0·7 | 0·2 |
| 12 | Troon... ... | codoc | ococ | 49 | 54 | 0·5 | – | 0·0 | 0·1 |
| | Douglas ... | bc | bc | 48 | 57 | – | – | 6·5 | 6·8 |

† Max. Temp. for period 21h. yesterday to 17h. to-day: Min. Temp. 21h.–9h.




BAROMETER. Isobars are drawn for intervals of two millibars.
WIND, WEATHER SYMBOLS. For explanation see opposite page.
SEA DISTURBANCE. Rough. High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

| Districts. | FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 1st April, 1938. |
|---|---|
| 1 S.E. England<br>2 E. England ...<br>3 E. Midlands ... | Light westerly winds; fair; mild. |
| 4 W. Midlands ...<br>5 S.W. England<br>6 South Wales ...<br>7 North Wales ... | Light westerly winds; bright periods; mild. |
| 8 N.W. England<br>9 N. Midlands ...<br>10 N.E. England<br>11 S.E. Scotland<br>12 S.W. Scotland & Isle of Man | Moderate westerly winds; cloudy, occasional drizzle, fair later; mild. |
| 13 A. W. Scotland. B. N.W. Scotland.<br>14 Mid Scotland | Moderate westerly winds; local showers today, occasional rain tomorrow; becoming rather mild. |
| 15 N. E. Scotland<br>16 Orkney and Shetland | Moderate or fresh westerly winds; local showers; average temperature. |
| 17 N. W. Ireland<br>18 N. E. Ireland | Moderate westerly winds; occasional drizzle, fair later; mild. |
| 19 S. E. Ireland<br>20 S. W. Ireland | As 4 - 7. |

H.M. Stationery Office Press, Kingsway, W.C.2

### GENERAL INFERENCE

An anticyclone is centred over the English Channel and pressure is low from Iceland to the Baltic. Weather will continue fair in the South and Southeast but dull with occasional drizzle in North Ireland and North England and later also in Scotland.

### FURTHER OUTLOOK.

Continuing fair in the South and Southeast; unsettled in the North.

Forecasts issued at 1000 G.M.T.

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S.,
Director.

# AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

AIR MINISTRY.

# THE DAILY WEATHER REPORT

## OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Friday 1st April, 1938.
No. 27889.

### OBSERVATIONS at 1 hr. G.M.T. 1st April

| District | Stations | Height above M.S.L. in feet | Barom. at M.S.L. mb. (1) | Change in 3 hours (2) | Wind Direc. (3) | Wind Force 0–12 (4) | Weather (5) | Temp. °F. (6) | % Humid. (7) | Visibility 0–9 (8) | Cloud Form Low (9) | Cloud Form Med. (10) | Cloud Form High (11) | Cloud Amount Low 0–10 (12) | Cloud Amount Total 0–10 (13) | Height of Base (feet) (14) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | London (Kew) | 18 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Croydon ... | 217 | 1027.6 | +6 | W'N | 3 | c | 46 | 92 | 6 | 5 | - | - | 10 | 10 | 800 |
| | S. Farnborough | 226 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Boscombe Down | 417 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Calshot (Sthmtn.) | 8 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Lympne ... | 346 | 1027.6 | +6 | NW'W | 2 | z₀ | 45 | 92 | 6 | - | - | - | 0 | 0 | - |
| | Manston ... | 142 | 1026.8 | +10 | W'N | 3 | b | 47 | 85 | 7 | - | - | - | 0 | 0 | - |
| 2 | Shoeburyness... | 11 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Felixstowe ... | 15 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Gorleston ... | 5 | 1023.9 | +0 | WSW | 3 | b | 49 | 75 | 7 | - | - | - | 0 | 0 | - |
| | Mildenhall ... | 19 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Cranwell ... | 240 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 3 | Birmingham ... | 535 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Upper Heyford | 408 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 4 | Ross-on-Wye | 223 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 5 | Bristol ... | 209 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Portland Bill ... | 32 | 1028.5 | +6 | NW | 3 | c | 47 | 92 | 7 | 4 | - | - | 10 | 10 | 2500 |
| | Plymouth ... | 82 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | The Lizard ... | 240 | 1030.6 | +2 | WNW | 2 | c | 48 | 92 | 8 | 5 | - | - | 10 | 10 | 1500 |
| | Scilly (St. Mary's) | 163 | 1030.7 | +2 | WNW | 3 | c | 49 | 85 | 8 | 5 | - | - | 10 | 10 | 2500 |
| | Guernsey .. | 175 | 1030.2 | +2 | WNW | 2 | r₀ | 45 | 97 | 4 | 5 | - | - | 10 | 10 | 800 |
| 6 | Pembroke ... | 142 | 1028.4 | 0 | WSW | 4 | b | 47 | 92 | 8 | 5 | - | - | Tr | Tr | 2500 |
| 7 | Holyhead ... | 26 | 1025.7 | +6 | SW | 3 | b | 47 | 92 | 8 | - | 4 | - | 0 | 1 | - |
| | Chester (Sealand) | 16 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 8 | Manchester ... | 70 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 10 | Spurn Head ... | 29 | 1022.6 | +2 | W'N | 5 | bc | 50 | 92 | 7 | 5 | - | - | 4.6 | 4.6 | 2500 |
| | Catterick ... | 175 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Tynemouth ... | 108 | 1019.6 | +4 | W | 4 | c | 54 | 85 | 7 | 9 | - | - | 7.8 | 7.8 | 800 |
| 11 | St Abbs Head .. | 280 | 1017.4 | +2 | W | 6 | q | 51 | 75 | 8 | 3 | 4 | - | 2.3 | 4.6 | 2500 |
| | Leuchars ... | 36 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 12 | Renfrew (Abbots I.) | 19 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Eskdalemuir ... | 794 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Point of Ayre... | 30 | 1022.9 | +6 | W | 5 | c | 50 | 92 | 8 | 5 | - | - | 9+ | 9+ | 1500 |
| 13A | Tiree ... ... | 22 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 13B | Stornoway ... | 80 | 1017.0 | +16 | W | 4 | pr | 42 | 85 | 7 | 5 | 2 | - | 9 | 10 | 2500 |
| 15 | Dalwhinnie ... | 1176 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Aberdeen ... | 79 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Wick ... | 81 | 1013.0 | +12 | WNW | 5 | bc/pr | 45 | 85 | 8 | 8 | 1 | - | 4.6 | 4.6 | 1500 |
| 16 | Lerwick ... | 156 | 1008.5 | +16 | WNW | 5 | c/pr | 42 | 85 | 8 | 8 | 7 | - | 7.8 | 9+ | 800 |
| 17 | Blacksod Point | 18 | 1023.8 | +8 | W'S | 4 | c | 50 | 97 | 7 | 5 | - | - | 10 | 10 | 800 |
| 18 | Malin Head ... | 84 | 1021.7 | +16 | W | 3 | c/r | 49 | 97 | 6 | 8 | - | - | 9 | 9 | 1500 |
| | Aldergrove ... | 268 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 19 | Birr Castle ... | 173 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 20 | Valentia Obsy. † | 30 | 1027.9 | 0 | SW | 2 | o | 49 | 97 | 7 | 5 | - | - | 10 | 10 | 800 |
| | Roches Point | 22 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |

### OBSERVATIONS at 7 hr. G.M.T. 1st April

| District | Stations | Barom. at M.S.L. mb. (15) | Change in 3 hours (16) | Wind Direc. (17) | Wind Force 0–12 (18) | Weather (19) | Temp. °F. (20) | % Humid. (21) | Visibility 0–9 (22) | Cloud Form Low (23) | Cloud Form Med. (24) | Cloud Form High (25) | Cloud Amount Low 0–10 (26) | Cloud Amount Total 0–10 (27) | Height of Base (feet) (28) | State of Ground 0–9 (29) | Sea 0–9 (30) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | London (Kew) | 1028.5 | +6 | WNW | 3 | c | 47 | 85 | 7 | 5 | - | - | 9+ | 9+ | 2500 | 0 | * |
| | Croydon ... | 1028.5 | +10 | W'N | 2 | c | 46 | 92 | 6 | 5 | - | - | 10 | 10 | 1500 | 0 | * |
| | S. Farnborough | 1028.9 | +16 | NW'W | 3 | c | 46 | 85 | 6 | 5 | - | - | 10 | 10 | 1500 | 0 | * |
| | Boscombe Down | 1029.7 | +8 | NW'W | 2 | c | 45 | 92 | 7 | 5 | - | - | 10 | 10 | 800 | 0 | * |
| | Calshot (Sthmtn.) | 1029.3 | +12 | W'N | 3 | c | 46 | 97 | 8 | 5 | - | - | 10 | 10 | 800 | 1 | 2 |
| | Lympne ... | 1028.7 | +10 | W'N | 3 | m | 43 | 97 | 4 | 5 | - | - | 10 | 10 | 220 | 0 | §0 |
| | Manston ... | 1028.1 | +14 | WNW | 3 | m | 45 | 92 | 4 | 5 | - | - | 10 | 10 | 450 | 0 | * |
| 2 | Shoeburyness... | 1028.2 | +12 | WNW | 3 | c | 46 | 92 | 6 | 5 | - | - | 10 | 10 | 2500 | 0 | * |
| | Felixstowe ... | 1026.8 | +12 | W | 3 | c | 47 | 85 | 7 | 5 | 3 | 6 | Tr | 7-8 | 2500 | 0 | 2 |
| | Gorleston ... | 1025.2 | +12 | WSW | 3 | bc | 45 | 85 | 6 | - | 7 | - | 0 | 4.6 | - | 0 | 2 |
| | Mildenhall ... | 1026.4 | +6 | SW'W | 3 | c | 44 | 97 | 7 | 5 | 3 | 1 | 4.6 | 7-8 | 4000 | 1 | * |
| | Cranwell ... | 1025.5 | +10 | SW'W | 4 | c | 47 | 92 | 7 | 5 | 7 | 9 | Tr | 9+ | 2500 | 0 | * |
| 3 | Birmingham ... | 1027.5 | +8 | SW | 2 | c | 45 | 92 | 7 | - | - | 8 | 0 | 7-8 | - | 0 | * |
| | Upper Heyford | 1028.1 | +8 | S'W | 2 | c | 45 | 92 | 7 | 5 | 1 | - | 9+ | 9+ | 1500 | 0 | * |
| 4 | Ross-on-Wye | 1027.7 | 0 | W'S | 2 | c | 47 | 85 | 8 | 5 | - | 8 | 9 | 9+ | 4000 | 0 | * |
| 5 | Bristol ... | 1028.8 | +2 | WSW | 3 | z₀ | 46 | 97 | 6 | 5 | - | - | 10 | 10 | 450 | 0 | * |
| | Portland Bill ... | 1029.8 | +12 | NW | 3 | c | 45 | 92 | 8 | 5 | 2 | - | 7-8 | 10 | 2500 | 1 | 2 |
| | Plymouth ... | 1030.0 | +4 | WNW | 1 | id₀ | 47 | 92 | 6 | - | 2 | - | 10 | 10 | 800 | 1 | 0 |
| | The Lizard ... | 1030.5 | +2 | NWW | 2 | c₀ | 48 | 92 | 8 | 4 | 2 | - | 9 | 10 | 1500 | 1 | 1 |
| | Scilly (St. Mary's) | 1030.3 | +4 | NW'W | 2 | c | 49 | 92 | 8 | 5 | - | - | 10 | 10 | 2500 | 1 | 2 |
| | Guernsey .. | 1030.6 | +4 | NW'W | 2 | o | 45 | 97 | 7 | 5 | - | - | 10 | 10 | 2500 | 1 | 2 |
| 6 | Pembroke ... | 1028.6 | +2 | W'S | 3 | c | 47 | 97 | 7 | 5 | 2 | - | 7-8 | 9+ | 2500 | 1 | 3 |
| 7 | Holyhead ... | 1026.1 | +4 | SW'W | 3 | c | 49 | 85 | 8 | 5 | 2 | - | 7-8 | 9+ | 800 | 1 | 0 |
| | Chester (Sealand) | 1026.4 | +4 | SSW | 2 | c | 50 | 85 | 7 | 5 | 7 | - | 7-8 | 9 | 2500 | 1 | * |
| 8 | Manchester ... | 1026.0 | +8 | SW | 2 | r₀ | 49 | 85 | 6 | 5 | 7 | - | 4.6 | 10 | 1500 | 1 | * |
| 10 | Spurn Head ... | 1023.6 | +8 | W'N | 4 | q | 50 | 97 | 6 | 5 | - | - | 4.6 | 10 | 2500 | 0 | 3 |
| | Catterick ... | 1022.9 | +8 | SW'W | 4 | c | 50 | 92 | 8 | 5 | 9 | 1 | 4.6 | 9+ | 4000 | 0 | * |
| | Tynemouth ... | 1021.7 | +10 | W | 3 | bc | 51 | 92 | 7 | 8 | 3 | 1 | 2.3 | 4.6 | 1500 | 0 | 1 |
| 11 | St Abbs Head .. | 1019.7 | +16 | W | 6 | c | 48 | 75 | 8 | 4 | 7 | - | 2.3 | 7-8 | 2500 | 0 | 3 |
| | Leuchars ... | 1020.5 | +12 | SW | 2 | bc | 45 | 85 | 9 | 5 | 7 | 2 | 4.6 | 4.6 | 4000 | 1 | * |
| 12 | Renfrew (Abbots I.) | 1021.9 | +14 | WS | 2 | c | 48 | 92 | 8 | 5 | 3 | 1 | 7.8 | 9+ | 1500 | 1 | * |
| | Eskdalemuir ... | 1022.7 | +14 | SW | 1 | c | 46 | 85 | 7 | 5 | 2 | - | 7.8 | 9+ | 800 | 1 | * |
| | Point of Ayre... | 1023.8 | +10 | W | 4 | c | 50 | 97 | 7 | - | 7 | - | 0 | 10 | - | 0 | 3 |
| 13A | Tiree ... ... | 1018.9 | +6 | W'N | 2 | c | 47 | 85 | 8 | 5 | 7 | - | 4.6 | 7.8 | 2500 | 0 | 2 |
| 13B | Stornoway ... | 1018.6 | +8 | WSW | 4 | c/pr | 44 | 75 | 8 | 5 | 7 | - | 7.8 | 9+ | 4000 | 1 | 2 |
| 15 | Dalwhinnie ... | * | +14 | SW | 3 | bc | 41 | 75 | 8 | 4 | 3 | - | 2.3 | 4.6 | 2500 | 0 | * |
| | Aberdeen ... | 1019.6 | +20 | N | 2 | bc/pr | 46 | 75 | 8 | 4 | 3 | - | 4.6 | 4.6 | 2500 | 0 | 0 |
| | Wick ... | 1017.3 | +22 | W | 4 | c | 42 | 85 | 8 | 5 | 7 | - | 4.6 | 7.8 | 1500 | 1 | 2 |
| 16 | Lerwick ... | 1012.1 | +18 | WNW | 5 | c/pr | 40 | 92 | 8 | 8 | 9 | - | 4.6 | 7.8 | 1500 | 1 | * |
| 17 | Blacksod Point | 1024.1 | +6 | W'S | 4 | c | 51 | 92 | 7 | 5 | - | - | 10 | 10 | 800 | 1 | 3 |
| 18 | Malin Head ... | 1022.6 | +6 | SW | 2 | Dr | 47 | 97 | 5 | 3 | - | - | 10 | 10 | 800 | 1 | 2 |
| | Aldergrove ... | 1023.7 | +10 | SWW | 4 | id₀ | 50 | 97 | 6 | 5 | - | - | 10 | 10 | 450 | 1 | * |
| 19 | Birr Castle ... | 1026.3 | +2 | WSW | 1 | c | 48 | 92 | 8 | 5 | - | 3 | 7.8 | 9 | 2500 | 1 | * |
| 20 | Valentia Obsy. † | 1027.9 | +4 | SSW | 2 | c | 50 | 92 | 8 | 5 | - | - | 10 | 10 | 2500 | 1 | 3 |
| | Roches Point | 1028.4 | x | W | 3 | c | 50 | 92 | 9 | 5 | - | - | 10 | 10 | 2500 | 1 | 2 |

### PAST 24 HOURS.

| Stations | Temperature Max. Day 7h–18h °F. (31) | Temperature Min. Night 18h–7h °F (32) | Temperature Min. on Grass °F. (33) | Rainfall Day 7h–18h mm. (34) | Rainfall Night 18h–7h mm. (35) | Sunshine 31st Hrs. (36) |
|---|---|---|---|---|---|---|
| London (Kew) | 64 | 46 | 41 | - | - | 9.1 |
| Croydon ... | 65 | 45 | 43 | - | - | 8.5 |
| S. Farnborough | 64 | 44 | 40 | - | - | 8.5 |
| Boscombe Down | 60 | 43 | 42 | - | - | 7.2 |
| Calshot (Sthmtn.) | 59 | 45 | 45 | - | - | 9.1 |
| Lympne ... | 57 | 40 | 37 | - | Tr | 6.8 |
| Manston ... | 62 | 42 | 37 | - | - | 8.9 |
| Shoeburyness... | 65 | 44 | 38 | - | - | 7.6 |
| Felixstowe ... | 64 | 45 | 42 | - | - | 9.8 |
| Gorleston ... | 66 | 45 | 43 | - | - | 10.5 |
| Mildenhall ... | 65 | 40 | 33 | - | Tr | 10.5 |
| Cranwell ... | 63 | 45 | 43 | - | - | 8.0 |
| Birmingham ... | 64 | 44 | 41 | - | | 10.4 |
| Upper Heyford | 65 | 42 | 33 | - | - | * |
| Ross-on-Wye | 64 | 41 | 29 | - | - | 11.8 |
| Bristol ... | 55 | 45 | 44 | - | - | 7.4 |
| Portland Bill ... | 51 | 44 | * | - | - | * |
| Plymouth ... | 51 | 46 | 45 | Tr | Tr | 0.2 |
| The Lizard ... | 52 | 46 | * | 0.1 | - | 1.2 |
| Scilly (St. Mary's) | 52 | 48 | * | 0.1 | - | 3.4 |
| Guernsey .. | 50 | 44 | 44 | 0.1 | Tr | 0.6 |
| Pembroke ... | 48 | 45 | * | Tr | Tr | 1.0 |
| Holyhead ... | 55 | 46 | 43 | - | - | 8.3 |
| Chester (Sealand) | 60 | 47 | 39 | - | - | 11.3 |
| Manchester ... | 62 | 45 | 41 | - | - | 9.7 |
| Spurn Head ... | 57 | 48 | * | - | - | 7.0 |
| Catterick ... | 56 | 48 | 46 | - | - | 3.2 |
| Tynemouth ... | 58 | 51 | 39 | - | Tr | 2.3 |
| St Abbs Head .. | 59 | 46 | * | Tr | Tr | * |
| Leuchars ... | 59 | 39 | 32 | Tr | - | 4.1 |
| Renfrew (Abbots I.) | 57 | 45 | 39 | 0.3 | 1 | 1.4 |
| Eskdalemuir ... | 54 | 45 | 44 | 1 | 1 | 0.0 |
| Point of Ayre... | 59 | 49 | * | - | - | 7.5 |
| Tiree ... ... | 51 | 46 | 44 | 0.6 | - | 0.0 |
| Stornoway ... | 53 | 42 | * | 1 | 1 | 1.0 |
| Dalwhinnie ... | 53 | 41 | 36 | 4 | Tr | 0.5 |
| Aberdeen ... | 65 | 45 | 41 | Tr | 0.1 | 2.6 |
| Wick ... | 54 | 40 | * | 4 | Tr | * |
| Lerwick ... | 50 | 39 | * | 1 | 2 | 1.0 |
| Blacksod Point | 54 | 49 | * | 0.1 | 0.2 | * |
| Malin Head ... | 55 | 46 | * | 2 | 1 | 0.7 |
| Aldergrove ... | 56 | 49 | 47 | Tr | Tr | 0.8 |
| Birr Castle ... | 57 | 46 | * | - | - | 2.6 |
| Valentia Obsy. † | 56 | 50 | 48 | 0.1 | Tr | 3.2 |
| Roches Point | 54 | 49 | * | Tr | Tr | * |

### LONDON OBSERVATIONS

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations except for rainfall which is 9h—18h.

| | Height above M.S.L. in feet. | Weather Morning (24 hrs. ended 9h.) | Weather Afternoon (24 hrs. ended 9h.) | Weather Night (24 hrs. ended 9h.) | Temperature Day Max. °F. | Temperature Night Min. °F. | Temperature Min. on Grass °F. | Rainfall Day mm. | Rainfall Night mm. | Sunshine to Sunset hrs. Yesterday | Humidity 15h. G.M.T % Yesterday | Humidity 9h. G.M.T % To-day | Visibility 9h. To-day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KEW... ... ... ... ... ... | 18 | cbcb | by | byb c | 64 | 46 | 41 | - | - | 9.1 | * | * | 6 |
| CROYDON ... ... ... ... ... | 217 | cm₀b | by | bz₀bum | 65 | 45 | 43 | - | - | 8.5 | * | * | 6 |
| GREENWICH (Royal Observatory)... | 149 | cb | by | bc | 65 | 45 | 40 | - | - | 8.0 | 50 | 79 | 6 |
| CITY (Bunhill Row) ... ... ... | — | * | * | * | * | * | * | * | * | 8.6 | * | * | * |
| WESTMINSTER (St. James' Park) ... | 27 | * | * | * | 66 | 46 | 40 | — | | 8.3 | 53 | 82 | * |
| REGENTS PK. (Botanic Gardens)‡... | 168 | * | * | * | 65 | 45 | 44 | - | - | 9.2 | 61 | 86 | * |
| CAMDEN SQUARE ... ... ... | 110 | cbc | b | * | 67 | 46 | 43 | - | - | * | 78 | | * |
| KENSINGTON ... ... ... ... | 80 | bcb | bcw | * | 66 | 47 | 41 | - | - | 8.7 | At 18h. 49 | 81 | * |
| HAMPSTEAD OBSERVATORY ... ... | 450 | bc | bc | bc | 64 | 43 | 39 | - | - | 8.7 | * | 91 | * |

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.
24 hrs. ended 7h. G.M.T. 1st....

| SOUTH KENSINGTON. Max. | Time. | Min. | Time. |
|---|---|---|---|
| <0.3 whole period | | | |

| KEW OBSERVATORY. Max. | Time. | Min. | Time. |
|---|---|---|---|
| 0.2 | 18hrs 31st | <0.1 | 8 4hrs 1st |

### FOREIGN OBSERVATIONS.

| Stations | 18h. G.M.T. 31st March Barom. mb. | Wind Direc. | Wind Force. | Weather. | Temp. °F. | 7h. G.M.T. 1st April Barom. mb. | Wind Direc. | Wind Force. | Weather. | Temp. °F. | Past 24 Hours Max. Day °F. | Min. Night °F. | Rainfall Day mm. | Rainfall Night mm. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PARIS ... ... ... ... ... ... | 1028.1 | W | 1 | b | 54 | 1030.3 | NW | 1 | d₀d₀ | 43 | 54 | 37 | - | Tr |
| BRUSSELS ... ... ... ... ... | 1026.6 | WSW | 3 | o | 48 | 1026.2 | W | 3 | z₀ | 46 | 55 | 43 | - | - |
| BERLIN ... ... ... ... ... | 1015.1 | W | 5 | id₀ | 52 | 1013.6 | S'E | 6 | r₀r₀ | 52 | * | 52 | 0.1 | 0.1 |
| ZURICH ... ... ... ... ... | 1026.0 | SW | 1 | b | 64 | 1027.6 | SSE | 1 | m | 45 | 70 | 43 | - | - |
| ROME ... ... ... ... ... | | | | | | 1027.0 | SW | 1 | f | 48 | * | * | | - |

### EXPLANATION OF FIGURES, LETTERS, etc.

**COLUMNS 2, 16.**
The barometric tendency is expressed in tenths of a millibar.

**COLUMNS 4, 18.**
THE BEAUFORT SCALE OF WIND is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers is the speed at about 30 feet above the ground.

| Beaufort No | Statute m/h. | Beaufort No. | Statute m/h. | Beaufort No. | Statute m/h. |
|---|---|---|---|---|---|
| 0 | <1 | 4 | 13–18 | 9 | 47–54 |
| 1 | 1–3 | 5 | 19–24 | 10 | 55–63 |
| 2 | 4–7 | 6 | 25–31 | 11 | 64–75 |
| 3 | 8–12 | 7 | 32–38 | 12 | > 75 |
| | | 8 | 39–46 | | |

**COLUMNS 34, 35.**
Tr. = rain has fallen, but amount less than 0·1 mm.

**COLUMNS 8, 22.—Code for surface visibility.**

| | Objects not visible at |
|---|---|
| 0 Dense fog | 55 yards. |
| 1 Thick fog | 220 ,, |
| 2 Fog | 550 ,, |
| 3 Moderate fog | 1,100 ,, |
| 4 Mist or haze | 1½ miles. |
| 5 Poor visibility | 2½ ,, |
| 6 Moderate ,, | 6½ ,, |
| 7 Good ,, | 12½ ,, |
| 8 Very good .. | 31 ,, |
| 9 Excellent ,, | beyond 31m. |

**COLUMN 30.—Code for State of Sea.**

| | |
|---|---|
| 0 Calm. | 5 Very rough. |
| 1 Smooth. | 6 High. |
| 2 Slight. | 7 Very high. |
| 3 Moderate. | 8 Precipitous. |
| 4 Rough. | 9 Confused. |

TERMS OF SUBSCRIPTION. Single Copies, 1d. each: by post 1½d. 2/6 per month; 6/6 per quarter; 25/- per year.

METEOROLOGICAL OFFICE, AIR MINISTRY, ADASTRAL HOUSE, KINGSWAY, LONDON, W.C.2.

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S., Director.

† 1 hr. observations are from Valentia W/T Station. ‡ Maximum and Minimum Temperatures are for the 24 hours ending 8 h. § Sea disturbance reported from Dungeness.

AIR MINISTRY.

# THE DAILY WEATHER REPORT

## OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Saturday, 2nd April, 1938.
No. 27890.

### OBSERVATIONS at 13h. G.M.T. 1st April

| District | Stations. (For heights see p. 4.) | Barom. at M.S.L. mb. (1) | Change in 3 hours. (2) | Wind. Direc. (3) | Wind. Force 0–12 (4) | Weather. (5) | °Temp. F. (6) | % Humid. (7) | Visibility 0–9 (8) | Cloud. Form. Low (9) | Cloud. Form. Med. (10) | Cloud. Form. High (11) | Cloud. Amount. Low 0–10 (12) | Cloud. Amount. Total 0–10 (13) | Height of Base (feet) (14) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | London (Kew) | 1027·6 | -10 | W'S | 3 | bc | 59 | 65 | 8 | - | - | 4 | 0 | 4-6 | - |
| | Croydon ... | 1028·0 | -10 | WSW | 3 | bc | 61 | 65 | 8 | 1 | - | 5 | 1 | 4-6 | 4000 |
| | S. Farnborough | 1027·9 | -18 | W | 3 | bc | 61 | 55 | 8 | 1 | - | 2 | Tr | 4-6 | 2500 |
| | Boscombe Down | 1029·3 | -6 | W'S | 3 | c | 53 | 75 | 8 | 5 | - | - | 10 | 10 | 1500 |
| | Calshot (Sthmtn.) | 1029·6 | -6 | W | 3 | c | 51 | 75 | 7 | 5 | - | - | 10 | 10 | 1500 |
| | Lympne ... | 1028·5 | -10 | SSW | 3 | c | 55 | 75 | 6 | 1 | - | 5 | 4-6 | 7-8 | 1500 |
| | Manston ... | 1027·7 | -10 | WSW | 1 | z. | 55 | 65 | 6 | 1 | - | 2 | 2-3 | 4-6 | 4000 |
| 2 | Shoeburyness ... | 1027·7 | -10 | SW | 3 | z. | 60 | 65 | 6 | - | - | 6 | 0 | 4-6 | - |
| | Felixstowe ... | 1027·2 | -6 | WSW | 3 | bc | ~~64~~61 | 65 | 8 | 1 | 3 | 2 | Tr | 4-6 | 2500 |
| | Gorleston ... | 1026·2 | +2 | W'S | 3 | c | 60 | 65 | 6 | 7 | - | - | 7-8 | 7-8 | 4000 |
| | Mildenhall ... | 1026·4 | -6 | SWW | 3 | c | 63 | 65 | 8 | 1 | - | 4 | 2-3 | 7-8 | 4000 |
| | Cranwell ... | 1025·9 | 0 | SWW | 5 | c | 61 | 65 | 7 | 8 | 3 | 2 | 4-6 | 9+ | 4000 |
| 3 | Birmingham ... | 1027·6 | -2 | WSW | 3 | c | 58 | 65 | 8 | 5 | - | - | 9+ | 9+ | 2500 |
| | Upper Heyford | 1027·8 | -10 | W'N | 3 | c | 62 | 65 | 7 | 1 | - | 6 | 4-6 | 7-8 | 2500 |
| 4 | Ross-on-Wye | 1027·4 | -6 | WSW | 3 | bc | 61 | 55 | 8 | 7 | - | 8 | 4-6 | 4-6 | 4000 |
| 5 | Bristol ... | 1029·3 | -2 | W | 3 | bc | 54 | 75 | 8 | 4 | - | 1 | 4-6 | 4-6 | 1500 |
| | Portland Bill ... | 1029·9 | -6 | NW | 2 | c | 48 | 85 | 8 | 4 | 4 | - | 7-8 | 10 | 2500 |
| | Plymouth ... | 1030·6 | -2 | WSW | 2 | c | 52 | 85 | 8 | 5 | - | - | 10 | 10 | 2500 |
| | The Lizard ... | 1031·2 | +2 | WSW | 1 | c | 51 | 85 | 8 | 5 | 2 | - | 9 | 10 | 1500 |
| | Scilly (St. Mary's) | 1031·6 | +4 | SW | 1 | c | 53 | 85 | 8 | 5 | - | - | 10 | 10 | 2500 |
| | Guernsey ... | 1031·1 | -2 | NW | 2 | 0 | 49 | 85 | 8 | 5 | - | - | 10 | 10 | 2500 |
| 6 | Pembroke ... | 1029·6 | 0 | SW | 3 | q | 50 | 85 | 9 | 5 | - | - | 9+ | 9+ | 2500 |
| 7 | Holyhead ... | 1027·0 | 0 | SWS | 3 | c | 53 | 75 | 8 | 7 | 3 | 4 | 2-3 | 7-8 | 4000 |
| | Chester (Sealand) | 1027·1 | 0 | W'S | 3 | c | 58 | 65 | 8 | 5 | 7 | - | 7-8 | 9 | 2500 |
| 8 | Manchester ... | 1027·0 | +2 | W | 2 | z. | 53 | 92 | 6 | 5 | 7 | - | 9 | 10 | 1500 |
| 10 | Spurn Head ... | 1024·8 | .0 | NWW | 4 | c | 56 | 85 | 6 | 5 | 7 | - | 4-6 | 9 | 1500 |
| | Catterick ... | 1024·4 | +4 | W'S | 5 | c | 55 | 85 | 8 | 5 | 9 | 9 | 2-3 | 9 | 4000 |
| | Tynemouth ... | 1022·8 | 0 | W | 4 | c | 57 | 65 | 7 | 8 | - | - | 7-8 | 7-8 | 1500 |
| 11 | St. Abbs Head | 1021·5 | +10 | WNW | 4 | c | 54 | 65 | 8 | 4 | 7 | 1 | 4-6 | 9 | 2500 |
| | Leuchars ... | 1021·1 | +2 | WSW | 4 | c | 56 | 65 | 8 | 5 | 7 | - | 7-8 | 9+ | 2500 |
| 12 | Renfrew (Abbots I.) | 1022·3 | -2 | SWW | 3 | c | 51 | 92 | 7 | 5 | - | - | 10 | 10 | 1500 |
| | Eskdalemuir ... | 1023·1 | 0 | SW | 3 | ir. | 50 | 85 | 7 | 5 | - | - | 10 | 10 | 220 |
| | Point of Ayre ... | 1024·8 | +2 | W | 5 | c | 56 | 85 | 8 | 5 | 7 | - | 1 | 10 | 2500 |
| 13A | Tiree ... ... | 1020·5 | -10 | SW | 4 | id. | 50 | 97 | 5 | 5 | - | - | 10 | 10 | 450 |
| 13B | Stornoway ... | 1018·4 | -4 | WSW | 4 | c/pr | 41 | 85 | 8 | 5 | 7 | - | 7-8 | 10 | 4000 |
| 15 | Dalwhinnie ... | 1021·0 | -4 | SW | 3 | c | 51 | 65 | 8 | 4 | 6 | - | 7-8 | 10 | 4000 |
| | Aberdeen ... | 1019·7 | -10 | SE | 2 | c | 52 | 65 | 8 | 7 | 4 | - | 9+ | 9+ | 5700 |
| | Wick ... | 1018·5 | +2 | WNW | 3 | c | 47 | 75 | 8 | 8 | 7 | - | 7-8 | 9 | 1500 |
| 16 | Lerwick ... | 1013·3 | +2 | W | 5 | c | 45 | 75 | 8 | 8 | 7 | - | 4-6 | 7-8 | 1500 |
| 17 | Blacksod Point | 1024·3 | -2 | WSW | 4 | q | 53 | 85 | 8 | 5 | - | - | 10 | 10 | 1500 |
| 18 | Malin Head ... | 1022·6 | -2 | WSW | 3 | c/d | 53 | 92 | 6 | 8 | 1 | - | 7-8 | 9+ | 800 |
| | Aldergrove ... | 1024·2 | -2 | WSW | 4 | c | 56 | 75 | 8 | 5 | - | - | 9+ | 9+ | 1500 |
| 19 | Birr Castle ... | 1027·0 | 0 | SSW | 2 | c | 55 | 65 | 8 | 5 | - | - | 9+ | 9+ | 1500 |
| 20 | Valentia Obsy. † | 1028·5 | 0 | SW | 4 | ejp | 52 | 85 | 8 | 5 | - | - | 10 | 10 | 1500 |
| | Roches Point | 1029·1 | * | WSW | 3 | c | 51 | 92 | 9 | 8 | 1 | - | 7-8 | 10 | 1500 |

### OBSERVATIONS at 18h. G.M.T. 1st April

| District | Stations. | Barom. at M.S.L. mb. (15) | Change in 3 hours. (16) | Wind. Direc. (17) | Wind. Force 0–12 (18) | Weather. (19) | °Temp. F. (20) | % Humid. (21) | Visibility 0–9 (22) | Cloud. Form. Low (23) | Cloud. Form. Med. (24) | Cloud. Form. High (25) | Cloud. Amount. Low 0–10 (26) | Cloud. Amount. Total 0–10 (27) | Height of Base (feet) (28) | State of Ground. 0–9 (29) | Sea. 0–9 (30) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | London (Kew) | 1026·5 | -2 | WSW | 3 | c | 58 | 65 | 8 | - | - | 2 | 0 | 7-8 | - | 0 | * |
| | Croydon ... | 1026·6 | -6 | WSW | 3 | c | 58 | 65 | 7 | - | 8 | 3 | 0 | 7-8 | - | 0 | * |
| | S. Farnborough | 1027·0 | -4 | W | 3 | c | 54 | 65 | 8 | - | - | 2 | 0 | 7-8 | - | 0 | * |
| | Boscombe Down | 1028·3 | -2 | NW'W | 3 | c | 51 | 75 | 8 | 5 | - | 6 | 7-8 | 9+ | 2500 | 0 | * |
| | Calshot (Sthmtn.) | 1027·8 | -6 | SW | 2 | c | 53 | 85 | 8 | 7 | 4 | 2 | 1 | 7-8 | 4000 | 0 | 1 |
| | Lympne ... | 1027·6 | -4 | SSW | 2 | bc | 48 | 85 | 6 | - | - | 6 | 0 | 4-6 | - | 0 | § 3 |
| | Manston ... | 1026·5 | -8 | SW'W | 2 | bc | 54 | 85 | 6 | - | - | 1 | 0 | 2-3 | - | 0 | * |
| 2 | Shoeburyness ... | 1025·9 | -8 | WSW | 1 | z. | 59 | 65 | 6 | - | - | 2 | 0 | 7-8 | - | 0 | * |
| | Felixstowe ... | 1025·6 | -6 | WSW | 2 | bc | 61 | 65 | 8 | 8 | 3 | 6 | 4-6 | 4-6 | 2500 | 0 | ~~8~~2 |
| | Gorleston ... | 1025·1 | -8 | SSE | 1 | c | 52 | 85 | 5 | 5 | 3 | - | 4-6 | 7-8 | 2500 | 0 | 2 |
| | Mildenhall ... | 1025·0 | -6 | W | 2 | bc | 60 | 75 | 8 | 8 | - | 2 | 2-3 | 4-6 | 4000 | 0 | * |
| | Cranwell ... | 1024·6 | -6 | WSW | 4 | c | 58 | 75 | 7 | 4 | 4 | 6 | 2-3 | 9+ | 4000 | 0 | * |
| 3 | Birmingham ... | 1025·2 | -8 | WNW | 2 | c | 57 | 65 | 8 | - | 3 | - | 0 | 7-8 | - | 0 | * |
| | Upper Heyford | 1026·3 | -6 | WSW | 3 | c | 57 | 65 | 7 | 5 | 7 | 6 | 7-8 | 9+ | 4000 | 0 | * |
| 4 | Ross-on-Wye | 1026·4 | -4 | SWW | 3 | bc | 54 | 75 | 8 | 5 | - | 1 | 4-6 | 4-6 | 4000 | 0 | * |
| 5 | Bristol ... | 1028·4 | -8 | W | 4 | c | 49 | 75 | 8 | 5 | - | - | 9 | 9 | 1500 | 0 | * |
| | Portland Bill ... | 1028·4 | -14 | WSW | 2 | c | 48 | 92 | 8 | 4 | 4 | - | 4-6 | 10 | 2500 | 1 | 2 |
| | Plymouth ... | 1029·3 | -6 | W | 2 | c | 50 | 92 | 8 | 5 | - | - | 10 | 10 | 2500 | 0 | 2 |
| | The Lizard ... | 1029·7 | -6 | - | 0 | c | 50 | 92 | 8 | 8 | 2 | - | 9 | 10 | 2500 | 0 | 1 |
| | Scilly (St. Mary's) | 1029·4 | -12 | W | 3 | c | 51 | 85 | 8 | 5 | - | - | 9+ | 9+ | 2500 | 0 | 2 |
| | Guernsey ... | 1030·1 | -4 | WNW | 1 | 0 | 49 | 85 | 8 | 5 | - | - | 10 | 10 | 2500 | 1 | 1 |
| 6 | Pembroke ... | 1028·4 | -4 | SW | 3 | c | 48 | 92 | 8 | 5 | - | - | 9+ | 9+ | 2500 | 1 | 2 |
| 7 | Holyhead ... | 1025·1 | -10 | SSW | 4 | bc | 49 | 85 | 8 | 5 | 4 | 1 | 4-6 | 4-6 | 4000 | 1 | 2 |
| | Chester (Sealand) | 1025·8 | -6 | WSW | 2 | bc | 55 | 65 | 8 | 5 | 4 | 8 | 2-3 | 4-6 | 4000 | 0 | * |
| 8 | Manchester ... | 1025·3 | -10 | W'N | 2 | z. | 55 | 85 | 6 | 7 | 3 | - | 4-6 | 7-8 | 4000 | 1 | * |
| 10 | Spurn Head ... | 1024·2 | 0 | W'N | 3 | c | 54 | 85 | 6 | 4 | 4 | 7 | 2-3 | 10 | 2500 | 0 | 2 |
| | Catterick ... | 1022·4 | -14 | W'S | 5 | bc | 53 | 75 | 7 | 4 | 2 | 2 | 2-3 | 4-6 | 4000 | 0 | * |
| | Tynemouth ... | 1021·2 | -8 | W | 3 | c | 56 | 75 | 6 | 8 | - | - | 9 | 9 | 1500 | 0 | 1 |
| 11 | St. Abbs Head | 1019·2 | -6 | WNW | 4 | c | 54 | 85 | 8 | 8 | 6 | - | 7-8 | 9+ | 2500 | 0 | 2 |
| | Leuchars ... | 1018·3 | -18 | WSW | 4 | c | 53 | 85 | 8 | 5 | 3 | 2 | 7-8 | 9+ | 1500 | 0 | * |
| 12 | Renfrew (Abbots I.) | 1019·6 | -14 | WNW | 5 | c | 52 | 85 | 8 | 5 | - | - | 10 | 10 | 1500 | 1 | * |
| | Eskdalemuir ... | 1021·5 | -8 | SW | 4 | c/d | 49 | 92 | 7 | 5 | - | - | 10 | 10 | 450 | 1 | * |
| | Point of Ayre ... | 1023·4 | -8 | W | 4 | c | 54 | 85 | 8 | 5 | - | - | 9+ | 9+ | 2500 | 0 | 2 |
| 13A | Tiree ... ... | 1017·2 | -14 | SW | 6 | c | 50 | 92 | 6 | 5 | 2 | - | 4-6 | 10 | 800 | 1 | 3 |
| 13B | Stornoway ... | 1013·3 | -32 | SSW | 4 | r.r. | 45 | 97 | 6 | 5 | 2 | - | 9 | 10 | 1500 | 1 | 2 |
| 15 | Dalwhinnie ... | 1017·7 | -18 | SW | 4 | id | 48 | 85 | 7 | 5 | - | - | 10 | 10 | 2500 | 0 | * |
| | Aberdeen ... | 1016·7 | -18 | NNE | 1 | r.r. | 46 | 92 | 6 | - | 2 | - | 10 | 10 | 4000 | 1 | 1 |
| | Wick ... | 1015·9 | -14 | WNW | 3 | rr | 44 | 85 | 7 | 5 | - | - | 10 | 10 | 1500 | 1 | 1 |
| 16 | Lerwick ... | 1012·7 | -6 | W | 5 | ir | 42 | 85 | 7 | 8 | 2 | - | 7-8 | 10 | 800 | 1 | * |
| 17 | Blacksod Point | 1022·2 | -18 | SSW | 4 | id. | 51 | 92 | 8 | 5 | - | - | 10 | 10 | 1500 | 1 | 3 |
| 18 | Malin Head ... | 1020·5 | -12 | W'S | 4 | c | 52 | 85 | 8 | 8 | 1 | - | 4-6 | 7-8 | 4000 | 1 | 3 |
| | Aldergrove ... | 1022·2 | -14 | SWS | 4 | c | 53 | 75 | 8 | 5 | - | - | 9+ | 9+ | 4000 | 1 | * |
| 19 | Birr Castle ... | 1024·9 | -14 | WSW | 1 | c | 52 | 75 | 8 | 5 | - | - | 9+ | 9+ | 1500 | 1 | * |
| 20 | Valentia Obsy. † | 1026·4 | -14 | SSW | 4 | c | 51 | 85 | 8 | 5 | - | - | 10 | 10 | 1500 | 1 | 2 |
| | Roches Point | 1027·1 | * | W'S | 3 | c | 51 | 85 | 9 | 5 | - | - | 9+ | 9+ | 2500 | 1 | 2 |

### PAST 24 HOURS.

| District | Stations. | Weather. 7h.–13h. 1st. (37) | Weather. 13h.–18h. 1st. (38) | Weather. 18h. 1st. to 1h. 2nd. (39) | Weather. 1h.–7h. 2nd. (40) |
|---|---|---|---|---|---|
| 1 | London (Kew) | c m.bc | bc c yc | cb | bbc |
| | Croydon ... | cm.bc | bcy | bz.m.bw | cm.c |
| | S. Farnborough | cbcy | bcy bc | bcb, c | c |
| | Boscombe Down | c | c | cbcco | c, c |
| | Calshot (Sthmtn.) | c | c, bc | o | oc |
| | Lympne ... | ombcm. | bcz. | bcbm.if | bifo |
| | Manston ... | cmbcz. | bcz. | bcz.bm. | bcm.w |
| 2 | Shoeburyness ... | cbcz. | bccz. | cz.bm. | bm.wc |
| | Felixstowe ... | bccbc | bcy | bcb | bw, c |
| | Gorleston ... | bcc | cz. | cbz.b | bbcc |
| | Mildenhall ... | bccbc | cbc | bcbm.w | bm.w cm.c |
| | Cranwell ... | c | c | cbcm.bm | cm.bc |
| 3 | Birmingham ... | cbcc | cbcc | cbc | bcc |
| | Upper Heyford | cbcc | c | cbc | c |
| 4 | Ross-on-Wye | bccbc | bcyc | bcbw | bcc |
| 5 | Bristol ... | cm.bc | bcc | c | cq |
| | Portland Bill ... | c | c | c | c |
| | Plymouth ... | cid.m.c | c | c | c |
| | The Lizard ... | c | c | c | c |
| | Scilly (St. Mary's) | c | c | c | c |
| | Guernsey ... | 0 | 0 | 0 | 0 |
| 6 | Pembroke ... | cvq | cq w m. | cvq c | cq v |
| 7 | Holyhead ... | c, bc | bcc | bcc | c |
| | Chester (Sealand) | cid.c | cbc | bc bbc | bcc |
| 8 | Manchester ... | cr.r.dr. | cm. | cb wm | bcm.c |
| 10 | Spurn Head ... | c | c | bz.cw | c |
| | Catterick ... | bcc | cbc | cbc | bcc |
| | Tynemouth ... | bcc | c | cbc | bcc |
| 11 | St. Abbs Head | c | c | c | cq |
| | Leuchars ... | bcc | cz.c | cbcq bc | bccbcq |
| 12 | Renfrew (Abbots I.) | cm.id.c | ir.id.c | c | m.rrdd |
| | Eskdalemuir ... | cir. | ir.d.d. | oco | ocir |
| | Point of Ayre ... | cid. | cbcc | c | c |
| 13A | Tiree ... ... | coid.m. | om.iD | cid. | cid. |
| 13B | Stornoway ... | cpr | cr.r.m. | crr | cr.r. |
| 15 | Dalwhinnie ... | c | cid | * | crr |
| | Aberdeen ... | cbcyc | cor.m. | cir.bc | bcr |
| | Wick ... | cPRc | d.d rr | d.d.c | c |
| 16 | Lerwick ... | cphr | cpr ir | cirrr | crrir |
| 17 | Blacksod Point | cq | cq id | cq | idq |
| 18 | Malin Head ... | cm.d. | c | cbcc | cpr.c |
| | Aldergrove ... | d.d.ir.c | c | c | ccid. |
| 19 | Birr Castle ... | c | c | c | c |
| 20 | Valentia Obsy. † | c | cpr.c | id.id.Dpr | c |
| | Roches Point | cid.c | c | c | c |

## EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

### COLUMNS 5, 19, 37, 38, 39, 40—BEAUFORT NOTATION AND SYMBOLS FOR WEATHER.

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog „ less than 220 yds.
fs, low fog over sea (coast station).
fg, low fog over land (inland station).
m, mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jf, fog at a distance, but not at station.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/s., slight storm of drifting snow (generally low).
k/S, heavy storm of drifting snow (generally low).
s./k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze: the turbid atmosphere of dry weather.
h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus R, heavy rain. $r_o$, slight rain.
rr, continuous rain.
<, less than (for cloud height).
⊕, Solar halo. ⦶ lunar halo. ⁄ gale.
With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions thus:—bc/r, fair weather after rain; —, has decreased; +, has increased.

### COLUMNS 9, 23.—FORM OF LOW CLOUD.

0 No low clouds.
1 Fair weather Cu.
2 Large Cu without anvil.
3 Cb.
4 Sc formed by the spreading out of Cu.
5 Layer of St or Sc.
6 Ragged low clouds of bad weather (or fractonimbus).
7 Fair weather Cu. and Sc.
8 Large-Cu (or Cb) and Sc.
9 Large-Cu (or Cb) and ragged low clouds of bad weather.

### COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4–6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries. "tr" signifies a small amount of cloud (trace) covering less than 1/20 of the sky. "9+" signifies an overcast sky with a few small openings.

### COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

0 No medium clouds.
1 Typical As (thin).
2 Typical As (thick) (sun or moon invisible), or Nimbostratus (Ns).
3 Single layer of Ac or high Sc.
4 Ac in isolated patches. Individually decreasing (often lenticular).
5 Ac in bands (increasing).
6 Ac formed from the spreading out of Cu.
7 Ac associated with As or As with parts resembling Ac.
8 Ac Castellatus (or Ac in ragged fragments).
9 Ac in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

### COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

0 No cirriform cloud.
1 Fine Ci not increasing: sparse.
2 Fine Ci not increasing: abundant but not a continuous layer.
3 Anvil Ci (usually dense).
4 Fine Ci increasing: usually in tufts.
5 Ci or Cs increasing: still below 45° altitude: often in polar bands.
6 Ci or Cs increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Cs covering whole sky.
8 Cs not increasing and not covering whole sky.
9 Cc predominating, and a little cirrus.
(Cc may occur with any of the types 1 to 8).

Cloud form abbreviations:—
Cirrus,–Ci: Cirrocumulus,–Cc: Cirrostratus,–Cs: Altocumulus,–Ac: Altostratus,–As
Stratocumulus,–Sc: Stratus,–St: Nimbostratus,–Ns: Cumulus,–Cu: Cumulonimbus,–Cb

### COLUMN 29.—STATE OF GROUND.

0 .. Ground dry.
1 .. „ wet.
2 .. „ flooded.
3 .. „ frozen hard and dry.
4 .. „ partly covered with snow or hail.
5 .. „ covered with ice or glazed frost.
6 .. Ground covered with thawing snow.
7 .. „ covered with snow, less than 6 ins., deep but ground not frozen.
8 .. „ covered with snow, less than 6 ins., but ground frozen.
9 .. „ covered with snow greater than 6 ins. deep.

NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

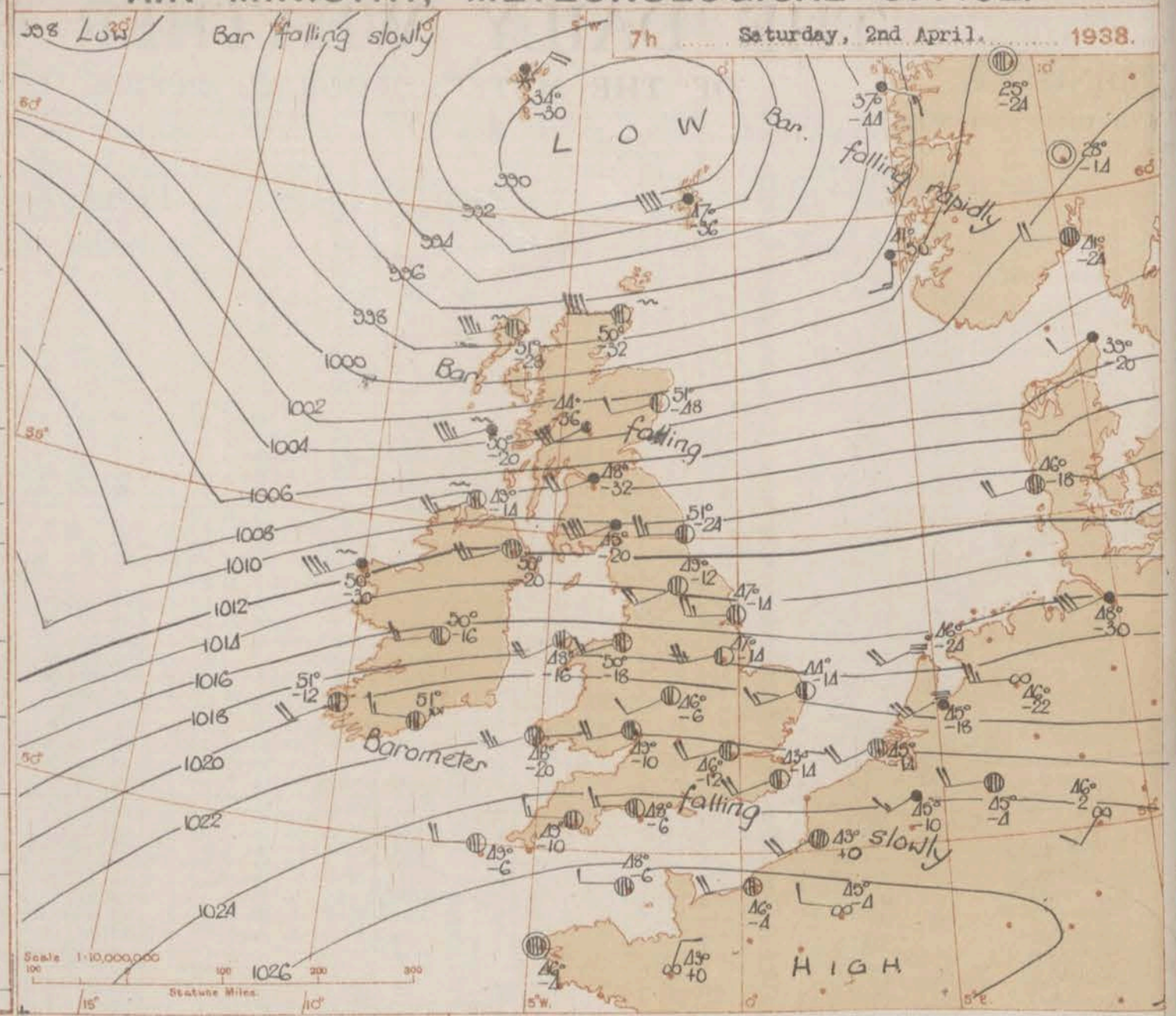
† Sea disturbance reported from Dungeness.

# AIR MINISTRY, METEOROLOGICAL OFFICE.

REPORTS from HEALTH RESORTS for 1st April 1938.

| Districts. | Stations. | Weather. Forenoon. | Weather. Afternoon. | Temperature. (°F.) Min. 9h. 31st to 9h. 1st | Temperature. (°F.) Max. 9h.—17h. 31st / 1st | Rainfall. (mm.) Night. 17h. 31st to 9h. 1st | Rainfall. (mm.) Day. 9h.—17h. 31st / 1st | Sunshine. (Hrs.) Sunrise to 17h. 31st / 1st | Sunshine. (Hrs.) Sunrise to Sunset. 31st / 1st |
|---|---|---|---|---|---|---|---|---|---|
| 1 | Tunbridge W. | ocb | b | 43 | 64 | – | – | 6·0 | 8·4 |
| | Bournemouth | oc | cbcc | 45 | 56 | – | – | 0·9 | 7·3 |
| | Ventnor ... | o | ocbc | 44 | 50 | – | – | 1·7 | 7·7 |
| | Southsea ... | oc | cbc | 46 | 55 | – | – | 0·2 | 9·1 |
| | Bognor Regis | ocbc | bcco | 45 | 54 | – | – | 3·7 | 8·6 |
| | Littlehampton | cbc | bcc | 45 | 54 | – | – | 4·9 | 8·9 |
| | Worthing ... | cb | b | 45 | 54 | – | – | 5·5 | 8·9 |
| | Brighton ... | bc | bc | 44 | 53 | – | – | 5·1 | 8·0 |
| | Eastbourne† ... | ocbc | bc | 44 | 53 | – | – | 5·8 | 7·5 |
| | Hastings† ... | ocbc | b | 43 | 57 | – | – | 6·3 | 7·5 |
| | Folkestone ... | ocbc | bc | 41 | 53 | – | – | 5·2 | 6·7 |
| | Dover ... | ocbc | bc | 42 | 52 | – | – | 5·9 | 6·9 |
| | Deal ... ... | ob | b | 44 | 61 | – | – | 6·0 | 7·2 |
| | Ramsgate ... | bc | bc | 46 | 59 | – | – | 6·5 | 8·8 |
| | Margate ... | cbc | bc | 45 | 63 | – | – | 7·9 ~~9·0~~ | 10·7 |
| 2 | Southend ... | bc | bcb | 43 | 62 | – | – | 7·6 | 8·1 |
| | Clacton-on-Sea | bc | bcz | 43 | 59 | – | – | 8·9 | 10·6 |
| | Dovercourt ... | bc | bc | 43 | 64 | – | – | 9·0 | 10·0 |
| | Lowestoft ... | cbcb | bbcc | 44 | 67 | – | – | 5·3 | 10·7 |
| | Skegness ... | cbc | bc | 46 | 63 | – | – | 1·5 | 8·4 |
| | Mablethorpe... | bc | bc | 45 | 65 | – | – | 2·5 | 8·9 |
| | Cleethorpes ... | c | cbc | 49 | 63 | – | – | 3·5 | 8·0 |
| 3 | Leamington S. | cbc | c | 44 | 61 | – | – | 4·0 | 10·1 |
| 4 | Cheltenham† | bc | cbcq | 42 | 60 | – | – | 7·3 | 9·9 |
| 5 | Bath ... ... | bco | cbcb | 46 | 55 | – | – | 2·5 | 6·7 |
| | Weymouth ... | c | c | 43 | 51 | – | – | 0·0 | 6·1 |
| | Jersey ... | g | g | 44 | 51 | – | – | 0·0 | 2·7 |
| | Torquay ... | wc | c | 40 | 55 | – | – | 0·1 | 7·5 |
| | Falmouth | o | o | 46 | 54 | Trace | – | 0·0 | 0·0 |
| | Penzance ... | cd. c | c | 47 | 55 | – | Trace | 0·0 | 0·1 |
| | St. Ives ... | o | c | 43 | 59 | – | – | 0·4 | 0·0 |
| | Bude... ... | c | c | 46 | 51 | 1 | – | 0·2 | 1·0 |
| | Ilfracombe ... | odcbc | cbcc | 45 | 52 | 1 | – | 0·2 | 2·4 |
| 6 | Aberystwyth | c | c | 46 | 51 | – | – | 0·4 | 6·4 |
| 7 | Llandudno ... | c | cbc | 43 | 56 | – | – | 4·3 | 9·7 |
| | Colwyn Bay... | c | cbcbc | 48 | 60 | – | – | 3·0 | 9·7 |
| | Rhyl ... ... | c | cbcb | 46 | 60 | – | – | 3·2 | 9·1 |
| 8 | Wallasey ... | ed. | bcb | 47 | 56 | – | Trace | 1·3 | 10·1 |
| | Southport ... | oc | cbc | 48 | 55 | – | – | 1·7 | 9·3 |
| | Blackpool ... | om. | pbcb | 47 | 54 | – | 0·3 | 0·2 | 7·5 |
| | Morecambe ... | idc | cbbc | 45 | 53 | 0·3 | Trace | 2·0 | 1·4 |
| 9 | Ilkley... ... | od. | co | 47 | 56 | 1 | 0·4 | 1·2 | 0·4 |
| | Harrogate ... | c | cbcc | 47 | 54 | – | – | 1·1 | 2·1 |
| 10 | Berwick-on-T. | c | c | 47 | 58 | – | – | 0·9 | 2·6 |
| 11 | Dunbar ... | bcm. | cm. | 44 | 57 | – | – | 1·6 | 0·7 |
| 12 | Troon... ... | coc | oco | 48 | 50 | 3 | – | 0·0 | 0·0 |
| | Douglas ... | bc | bcpr. | 48 | 57 | – | Trace | 2·1 | 6·8 |

† Max. Temp. for period 21h. yesterday to 17h. to-day: Min. Temp. 21h.–9h.




BAROMETER. Isobars are drawn for intervals of two millibars.
WIND, WEATHER SYMBOLS. For explanation see opposite page.
SEA DISTURBANCE. Rough. High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

| Districts. | FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T., 2nd April, 1938. |
|---|---|
| 1 S.E. England | Moderate westerly winds; fair; mild. |
| 2 E. England ... | Fresh west winds; fair today; local rain tomorrow; mild. |
| 3 E. Midlands ... | |
| 4 W. Midlands ... | As 0 - 1. |
| 5 S.W. England | |
| 6 South Wales ... | |
| 7 North Wales ... ▼ | Strong west winds, gale locally; occasional rain or drizzle; mild becoming colder. |
| 8 N.W. England ▼ | |
| 9 N. Midlands ... | |
| 10 N.E. England ▼ | |
| 11 S.E. Scotland ▼ | |
| 12 S.W. Scotland ▼ & Isle of Man | |
| 13 A. W. Scotland ▼ / B. N.W. Scotland. | Strong west winds, gale at times; occasional rain, sleet on high ground later; becoming colder. |
| 14 Mid Scotland ▼ | |
| 15 N. E. Scotland ▼ | |
| 16 Orkney and Shetland ▼ | |
| 17 N. W. Ireland ▼ | As 7 - 12 |
| 18 N. E. Ireland | |
| 19 S. E. Ireland | Strong west winds, gale locally; occasional rain later; mild. |
| 20 S. W. Ireland | |

H.M. Stationery Office Press, Kingsway W.C.2

## GENERAL INFERENCE

A deep depression between Scotland and the Faeroes will move east-southeast. Weather will be unsettled in the North with occasional rain and westerly gales and will become colder. It will continue fair and mild in the South and Southeast.

## FURTHER OUTLOOK.

Changeable in the North; mainly fair in the South but cooler.

TIMES OF ISSUE OF GALE WARNINGS.

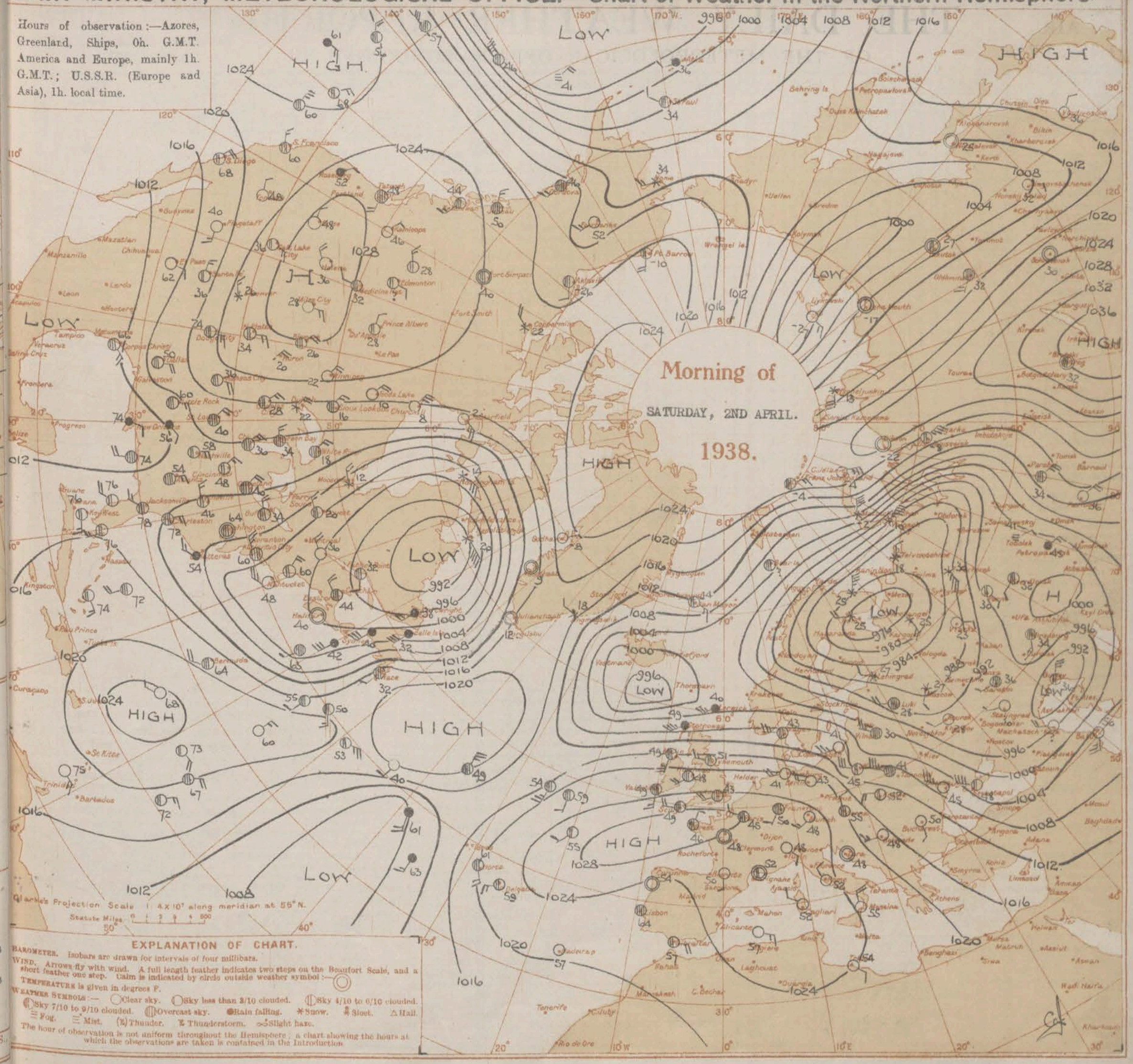
▼ South Cone hoisted at 0145 on 2nd April in districts 13A, 13B, 15, 16 and part of 17.

▼ South cone hoisted at 0815 on 2nd April in districts 8, 10, 11, 12, 14 and part of 7.

Forecasts issued at 1015 G.M.T.

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S., Director.

# AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.



AIR MINISTRY.

# THE DAILY WEATHER REPORT

## OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Saturday, 2nd April, 1938
No. 27890.

### OBSERVATIONS at 1 hr. G.M.T. 2nd April

| District | Stations | Height above M.S.L. in feet | Barom. at M.S.L. mb. (1) | Change in 3 hours (2) | Wind Direc. (3) | Wind Force 0–12 (4) | Weather (5) | Temp. °F. (6) | Humid. % (7) | Visibility 0–9 (8) | Cloud Form Low (9) | Cloud Form Med. (10) | Cloud Form High (11) | Cloud Amount Low 0–10 (12) | Cloud Amount Total 0–10 (13) | Height of Base (feet) (14) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | London (Kew) | 18 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Croydon ... | 217 | 1026.1 | -10 | WSW | 3 | c | 43 | 92 | 7 | 5 | - | - | 5 | 5 | 1500 |
| | S. Farnborough | 226 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Boscombe Down | 417 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Calshot (Sthmtn.) | 8 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Lympne ... | 346 | 1026.2 | -10 | WSW | 3 | if | 41 | 97 | 3 | - | - | - | 0 | 0 | - |
| | Manston ... | 142 | 1025.0 | -10 | WSW | 3 | zo | 42 | 92 | 6 | 5 | - | - | 2-3 | 2-3 | 2500 |
| 2 | Shoeburyness... | 11 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Felixstowe ... | 15 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Gorleston ... | 5 | 1022.4 | -12 | SW | 3 | b | 51 | 85 | 6 | - | - | - | 0 | 0 | - |
| | Mildenhall ... | 19 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Cranwell ... | 240 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 3 | Birmingham ... | 535 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Upper Heyford | 408 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 4 | Ross-on-Wye | 223 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 5 | Bristol ... | 209 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Portland Bill ... | 32 | 1026.7 | -10 | WNW | 3 | c | 47 | 85 | 8 | 4 | - | - | 10 | 10 | 2500 |
| | Plymouth ... | 82 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | The Lizard ... | 240 | 1028.2 | -10 | W | 3 | c | 49 | 85 | 8 | 5 | 2 | - | 5 | 10 | 1500 |
| | Scilly (St. Mary's) | 163 | 1028.4 | -10 | W'N | 4 | c | 49 | 92 | 8 | 5 | - | - | 10 | 10 | 2500 |
| | Guernsey .. | 175 | 1025.0 | -16 | WNW | 1 | o | 48 | 85 | 6 | 5 | - | - | 10 | 10 | 2500 |
| 6 | Pembroke ... | 142 | 1026.0 | -6 | WSW | 4 | q | 48 | 85 | 8 | 5 | 2 | - | 5 | 10 | 2500 |
| 7 | Holyhead ... | 26 | 1022.4 | -14 | SW | 4 | c | 48 | 85 | 7 | 5 | - | - | 10 | 10 | 800 |
| | Chester (Sealand) | 16 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 8 | Manchester ... | 70 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 10 | Spurn Head ... | 29 | 1020.7 | -14 | WSW | 4 | c | 48 | 85 | 7 | 5 | - | - | 7-8 | 7-8 | 1500 |
| | Catterick ... | 175 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Tynemouth ... | 108 | 1017.3 | -12 | W | 3 | bc | 51 | 65 | 7 | 8 | - | - | 4-6 | 4-6 | 1500 |
| 11 | St. Abbs Head .. | 280 | 1015.1 | -16 | WSW | 3 | c | 50 | 85 | 8 | 4 | 7 | - | 4-6 | 7-8 | 2500 |
| | Leuchars ... | 36 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 12 | Renfrew (Abbots I.) | 19 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Eskdalemuir ... | 794 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Point of Ayre... | 30 | 1020.5 | -14 | W'N | 4 | c | 49 | 85 | 8 | 5 | - | - | 10 | 10 | 2500 |
| 13A | Tiree ... | 22 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 13B | Stornoway ... | 80 | 1004.9 | -34 | SW | 7 | rr | 49 | 85 | 7 | 5 | 2 | - | 7-8 | 10 | 1500 |
| 15 | Dalwhinnie ... | 1176 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Aberdeen ... | 79 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Wick ... | 81 | 1005.7 | -40 | SW | 4 | c | 49 | 85 | 8 | 5 | 1 | - | 4-6 | 7-8 | 1500 |
| 16 | Lerwick ... | 156 | 1004.4 | -58 | SW | 5 | rr | 40 | 92 | 7 | 6 | 2 | - | 5 | 10 | 800 |
| 17 | Blacksod Point | 18 | 1016.9 | -26 | SSW | 7 | q | 52 | 85 | 7 | 5 | - | - | 7-8 | 7-8 | 800 |
| 18 | Malin Head ... | 84 | 1015.1 | -40 | SSW | 5 | c/pr | 49 | 85 | 7 | 8 | 2 | - | 4-6 | 5 | 2500 |
| | Aldergrove ... | 268 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 19 | Birr Castle ... | 173 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 20 | Valentia Obsy. † | 30 | 1023.5 | -10 | SW | 3 | o/d | 49 | 97 | 6 | 5 | - | - | 10 | 10 | 800 |
| | Roches Point | 22 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |

### OBSERVATIONS at 7 hr. G.M.T. 2nd April

| District | Stations | Barom. at M.S.L. mb. (15) | Change in 3 hours (16) | Wind Direc. (17) | Wind Force 0–12 (18) | Weather (19) | Temp. °F. (20) | Humid. % (21) | Visibility 0–9 (22) | Cloud Form Low (23) | Cloud Form Med. (24) | Cloud Form High (25) | Cloud Amount Low 0–10 (26) | Cloud Amount Total 0–10 (27) | Height of Base (feet) (28) | State of Ground 0–9 (29) | Sea 0–9 (30) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | London (Kew) | 1022.7 | -16 | WSW | 4 | c | 48 | 75 | 8 | 5 | - | - | 10 | 10 | 2500 | 0 | * |
| | Croydon ... | 1022.9 | -12 | WSW | 4 | c | 46 | 85 | 8 | 5 | - | - | 10 | 10 | 1500 | 0 | * |
| | S. Farnborough | 1023.2 | -6 | W'N | 4 | c | 47 | 75 | 8 | 5 | - | - | 9+ | 9+ | 1500 | 0 | * |
| | Boscombe Down | 1023.7 | -8 | W | 4 | c | 47 | 85 | 8 | 5 | - | - | 9+ | 9+ | 800 | 0 | * |
| | Calshot (Sthmtn.) | 1024.1 | -8 | W | 3 | c | 48 | 75 | 8 | 5 | - | - | 10 | 10 | 1500 | 0 | 2 |
| | Lympne ... | 1022.9 | -14 | SWW | 4 | c | 43 | 85 | 8 | 5 | - | - | 9+ | 9+ | 1500 | 0 | §3 |
| | Manston ... | 1022.4 | -14 | WSW | 4 | c | 44 | 92 | 6 | 5 | - | - | 10 | 10 | 1500 | 0 | * |
| 2 | Shoeburyness... | 1022.2 | -14 | WSW | 4 | c | 47 | 75 | 7 | 5 | - | - | 10 | 10 | 1500 | 0 | * |
| | Felixstowe ... | 1021.7 | -14 | SW | 3 | c | 46 | 85 | 7 | 5 | - | - | 10 | 10 | 1500 | 0 | 2 |
| | Gorleston ... | 1019.8 | -14 | SW'W | 3 | c | 44 | 85 | 6 | 5 | 3 | - | 4-6 | 7-8 | 2500 | 0 | 2 |
| | Mildenhall ... | 1020.3 | -14 | WSW | 4 | c | 47 | 85 | 7 | 5 | - | - | 10 | 10 | 2500 | 0 | * |
| | Cranwell ... | 1018.1 | -14 | WSW | 5 | bc | 47 | 75 | 8 | 5 | 3 | 1 | 2-3 | 4-6 | 1500 | 0 | * |
| 3 | Birmingham ... | 1020.8 | -6 | SW | 2 | c | 46 | 75 | 8 | 5 | - | - | 10 | 10 | 1500 | 0 | * |
| | Upper Heyford | 1021.9 | -16 | WS | 5 | c | 46 | 75 | 7 | 5 | - | - | 9+ | 9+ | 2500 | * | * |
| 4 | Ross-on-Wye | 1022.0 | -10 | WSW | 4 | c | 49 | 75 | 8 | 5 | - | - | 9+ | 9+ | 4000 | 0 | * |
| 5 | Bristol ... | 1023.6 | -10 | WSW | 5 | c | 48 | 85 | 8 | 5 | - | - | 10 | 10 | 1500 | 0 | * |
| | Portland Bill ... | 1024.3 | -6 | W | 3 | c | 48 | 85 | 8 | 4 | 4 | - | 4-6 | 10 | 2500 | 1 | 3 |
| | Plymouth ... | 1025.5 | -10 | W | 3 | c | 49 | 85 | 8 | 5 | - | - | 9+ | 9+ | 2500 | 0 | 2 |
| | The Lizard ... | 1025.8 | -10 | W | 4 | c | 48 | 85 | 8 | 5 | 2 | - | 9 | 10 | 1500 | 0 | 2 |
| | Scilly (St. Mary's) | 1025.8 | -6 | W'S | 4 | c | 49 | 92 | 8 | 5 | - | - | 10 | 10 | 2500 | 0 | 2 |
| | Guernsey .. | 1026.8 | -6 | W | 1 | o | 48 | 85 | 7 | 5 | - | - | 10 | 10 | 2500 | 1 | 1 |
| 6 | Pembroke ... | 1021.6 | -20 | SW | 5 | q | 48 | 92 | 8 | 5 | - | - | 10 | 10 | 2500 | 1 | 3 |
| 7 | Holyhead ... | 1017.8 | -16 | SWS | 4 | c | 48 | 85 | 8 | 5 | - | - | 9+ | 9+ | 2500 | 1 | 2 |
| | Chester (Sealand) | 1018.8 | -18 | WSW | 3 | c | 50 | 75 | 7 | 5 | - | - | 9+ | 9+ | 1500 | 1 | * |
| 8 | Manchester ... | 1018.6 | -12 | SWW | 3 | c | 48 | 85 | 7 | 5 | - | - | 10 | 10 | 1500 | 1 | * |
| 10 | Spurn Head ... | 1015.2 | -14 | WS | 5 | c | 47 | 85 | 6 | 5 | 2 | - | 7-8 | 10 | 800 | 0 | 3 |
| | Catterick ... | 1015.5 | -12 | SW | 4 | c | 49 | 75 | 8 | 5 | - | - | 9+ | 9+ | 1500 | 0 | * |
| | Tynemouth ... | 1011.5 | -24 | W | 5 | c | 51 | 65 | 7 | 8 | - | - | 7-8 | 7-8 | 1500 | 0 | 2 |
| 11 | St. Abbs Head .. | 1007.4 | -40 | W | 6 | q | 50 | 75 | 8 | 8 | 7 | 2 | 4-6 | 7-8 | 2500 | 0 | 3 |
| | Leuchars ... | 1005.5 | -38 | SW | 6 | bc | 49 | 85 | 8 | 8 | 7 | 8 | 4-6 | 4-6 | 2500 | 0 | * |
| 12 | Renfrew (Abbots I.) | 1009.1 | -32 | SW | 4 | dd | 48 | 97 | 5 | 6 | 2 | - | 4-6 | 10 | 800 | 1 | * |
| | Eskdalemuir ... | 1009.9 | -20 | SWW | 8 | ir | 45 | 92 | 7 | 6 | - | 1 | 7-8 | 9 | 800 | 1 | * |
| | Point of Ayre... | 1014.2 | -26 | W | 6 | c | 50 | 85 | 8 | 5 | 2 | - | 7-8 | 9+ | 2500 | 0 | 3 |
| 13A | Tiree ... | 1003.2 | -20 | SWW | 7 | ir | 50 | 97 | 6 | - | 2 | - | 10 | 10 | 1500 | 1 | 4 |
| 13B | Stornoway ... | 997.2 | -28 | WSW | 7 | c | 51 | 92 | 7 | 5 | 7 | - | 4-6 | 9 | 2500 | 1 | 4 |
| 15 | Dalwhinnie ... | 1004.3 | -36 | SW | 6 | rr | 44 | 97 | 7 | 4 | 1 | - | 2-3 | 10 | 2500 | 1 | * |
| | Aberdeen ... | 1001.4 | -48 | WSW | 2 | bc | 51 | 65 | 9 | 5 | 3 | 9 | Tr | 4-6 | 1500 | 1 | 1 |
| | Wick ... | 997.8 | -32 | W | 8 | c | 50 | 92 | 8 | 5 | 4 | 4 | 4-6 | 7-8 | 1500 | 1 | 4 |
| 16 | Lerwick ... | 990.5 | -36 | SW | 8 | ir | 47 | 97 | 6 | 8 | 2 | - | 7-8 | 10 | 800 | 1 | * |
| 17 | Blacksod Point | 1011.9 | -30 | SW | 7 | dd | 50 | 97 | 7 | 6 | - | - | 10 | 10 | 4150 | 1 | 5 |
| 18 | Malin Head ... | 1008.5 | -14 | SW | 5 | c | 49 | 92 | 8 | 8 | - | - | 9+ | 9+ | 2500 | 1 | 4 |
| | Aldergrove ... | 1012.8 | -20 | SW | 5 | o/d | 50 | 85 | 8 | 5 | - | - | 10 | 10 | 2500 | 1 | * |
| 19 | Birr Castle ... | 1017.5 | -16 | WSW | 3 | c | 50 | 75 | 8 | 5 | 2 | - | 9 | 10 | 1500 | 1 | * |
| 20 | Valentia Obsy. † | 1020.5 | -12 | SWS | 4 | c | 51 | 75 | 8 | 5 | - | - | 9+ | 9+ | 1500 | 1 | 3 |
| | Roches Point | 1021.4 | * | W | 3 | c | 51 | 85 | 9 | 5 | - | - | 10 | 10 | 2500 | 1 | 2 |

### PAST 24 HOURS.

| District | Stations | Temperature Max. Day 7h–18h °F. | Temperature Min. Night 18h–7h °F | Temperature Min. on Grass °F. | Rainfall Day 7h–18h mm. | Rainfall Night 18h–7h mm. | Sunshine ..1st Hrs. (36) |
|---|---|---|---|---|---|---|---|
| 1 | London (Kew) | 63 | 43 | 38 | - | - | 6.8 |
| | Croydon ... | 64 | 43 | 40 | - | - | 6.7 |
| | S. Farnborough | 61 | 39 | 29 | - | - | 7.3 |
| | Boscombe Down | 53 | 44 | 40 | - | - | 1.3 |
| | Calshot (Sthmtn.) | 55 | 47 | 46 | - | - | 1.8 |
| | Lympne ... | 57 | 39 | 33 | - | - | 6.2 |
| | Manston ... | 62 | 40 | 37 | - | - | 7.2 |
| 2 | Shoeburyness... | 64 | 44 | 39 | - | - | 7.3 |
| | Felixstowe ... | 65 | 43 | 41 | - | - | 9.3 |
| | Gorleston ... | 62 | 43 | 42 | - | - | 2.0 |
| | Mildenhall ... | 66 | 40 | 35 | - | Tr | 6.7 |
| | Cranwell ... | 63 | 43 | 36 | - | - | 3.9 |
| 3 | Birmingham ... | 60 | 43 | 40 | - | - | 4.3 |
| | Upper Heyford | 63 | 38 | 31 | - | - | * |
| 4 | Ross-on-Wye | 63 | 42 | 32 | - | - | 8.0 |
| 5 | Bristol ... | 55 | 46 | 45 | - | - | 5.8 |
| | Portland Bill ... | 49 | 46 | * | - | - | * |
| | Plymouth ... | 52 | 49 | 47 | Tr | - | 0.0 |
| | The Lizard ... | 52 | 48 | * | - | - | 0.0 |
| | Scilly (St. Mary's) | 53 | 49 | * | - | - | 0.0 |
| | Guernsey .. | 50 | 47 | 46 | - | - | 0.0 |
| 6 | Pembroke ... | 50 | 46 | * | - | - | 0.0 |
| 7 | Holyhead ... | 54 | 46 | 44 | - | - | 4.3 |
| | Chester (Sealand) | 61 | 47 | 41 | Tr | - | 5.5 |
| 8 | Manchester ... | 57 | 43 | 38 | 1 | - | 0.4 |
| 10 | Spurn Head ... | 59 | 45 | * | - | - | 2.9 |
| | Catterick ... | 58 | 47 | 44 | - | - | 1.7 |
| | Tynemouth ... | 58 | 50 | 41 | - | - | 2.1 |
| 11 | St. Abbs Head .. | 56 | 45 | * | - | Tr | * |
| | Leuchars ... | 57 | 48 | 45 | - | - | 3.8 |
| 12 | Renfrew (Abbots I.) | 53 | 47 | 45 | Tr | 1 | 0.0 |
| | Eskdalemuir ... | 51 | 44 | 42 | 0.4 | 1 | 0.0 |
| | Point of Ayre... | 61 | 48 | * | Tr | - | 1.7 |
| 13A | Tiree ... | 51 | 47 | 46 | 0.3 | 0.1 | 0.0 |
| 13B | Stornoway ... | 49 | 45 | * | 1 | 4 | 0.0 |
| 15 | Dalwhinnie ... | 51 | 44 | 41 | Tr | 1 | 1.0 |
| | Aberdeen ... | 56 | 45 | 42 | 0.5 | Tr | 3.5 |
| | Wick ... | 49 | 42 | * | 1 | 1 | * |
| 16 | Lerwick ... | 46 | 39 | * | 1 | 13 | 2.7 |
| 17 | Blacksod Point | 54 | 48 | * | Tr | 0.2 | * |
| 18 | Malin Head ... | 53 | 47 | * | 0.4 | 1 | 0.8 |
| | Aldergrove ... | 56 | 48 | 46 | 0.1 | Tr | 0.1 |
| 19 | Birr Castle ... | 56 | 49 | * | - | - | 1.2 |
| 20 | Valentia Obsy. † | 53 | 48 | 46 | Tr | 0.5 | 0.0 |
| | Roches Point | 53 | 50 | * | Tr | - | * |

### LONDON OBSERVATIONS

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations except for rainfall which is 9h—18h.

| | Height above M.S.L. in feet | Weather Morning (24 hrs. ended 9h) | Weather Afternoon (24 hrs. ended 9h) | Weather Night (24 hrs. ended 9h) | Temperature Day Max. °F. | Temperature Night Min. °F. | Temperature Min. on Grass °F. | Rainfall Day mm. | Rainfall Night mm. | Sunshine to Sunset hrs. (Yesterday) | Humidity 18h. G.M.T. % (Yesterday) | Humidity 9h. G.M.T. % (To-day) | Visibility 9h. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kew ... | 18 | cm bc | bc yc | cbbc | 63 | 43 | 38 | - | - | 6.8 | * | * | 8 |
| Croydon ... | 217 | cm bc | bc y | bz mc | 64 | 43 | 40 | - | - | 6.7 | * | * | 8 |
| Greenwich (Royal Observatory)... | 149 | cbc | bc by | bc | 66 | 43 | 36 | - | - | 6.9 | 51 | 71 | 6 |
| City (Dunhill Row) ... | — | * | * | * | * | * | * | * | * | 6.9 | * | * | * |
| Westminster (St. James' Park) ... | 27 | * | * | * | 65 | 45 | 39 | — | | 7.1 | 53 | 73 | * |
| Regents Pk. (Botanic Gardens)‡... | 148 | * | * | * | 65 | 45 | 41 | - | - | 6.4 | 62 | 79 | * |
| Camden Square ... | 110 | cbc | b | * | 66 | 44 | 39 | - | - | * | * | 73 | * |
| Kensington ... | 80 | bc | bc | * | 65 | 44 | 37 | - | - | 7.3 | As 18h. 74 | * | * |
| Hampstead Observatory ... | 450 | bc | bc | c | 63 | 41 | 37 | - | - | 7.5 | * | 83 | * |

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. 2nd.

South Kensington.

| Max. | Time. | Min. | Time. |
|---|---|---|---|
| 40.3 | whole | period | |

Kew Observatory.

| Max. | Time. | Min. | Time. |
|---|---|---|---|
| 0.2 | 20hrs 1st | 40.1 | 1-6hrs 2nd |

### FOREIGN OBSERVATIONS.

| Stations | 18h. G.M.T. 1st March Barom. mb. | Wind Direc. | Wind Force | Weather | Temp. °F. | 7h. G.M.T. 2nd March Barom. mb. | Wind Direc. | Wind Force | Weather | Temp. °F. | Past 24 Hours Max. Day °F. | Min. Night °F. | Rainfall Day mm. | Rainfall Night mm. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Paris ... | 1027.8 | NW | 2 | c | 59 | 1026.7 | WNW | 2 | zo | 45 | 66 | | Tr | |
| Brussels ... | 1027.7 | W | 2 | o | 50 | 1023.4 | SW | 3 | do do | 45 | 52 | 41 | - | Tr |
| Berlin ... | | | | | | 1018.1 | WSW | 3 | do do | 45 | * | 41 | | - |
| Zurich ... | 1026.2 | WNW | 3 | bc | 70 | 1025.4 | SE | 1 | zo | 43 | 73 | 41 | - | - |
| Rome ... | 1025.1 | W | 3 | b | 57 | 1024.3 | W | 6 | F | 50 | * | * | - | - |

### EXPLANATION OF FIGURES, LETTERS, etc.

**COLUMNS 2, 16.**
The barometric tendency is expressed in tenths of a millibar.

**COLUMNS 4, 18.**
The Beaufort Scale of Wind is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers is the speed at about 30 feet above the ground.

| Beaufort No. | Statute m/h. | Beaufort No. | Statute m/h. | Beaufort No. | Statute m/h. |
|---|---|---|---|---|---|
| 0 | <1 | 4 | 13–18 | 9 | 47–54 |
| 1 | 1–3 | 5 | 19–24 | 10 | 55–63 |
| 2 | 4–7 | 6 | 25–31 | 11 | 64–75 |
| 3 | 8–12 | 7 | 32–38 | 12 | > 75 |
| | | 8 | 39–46 | | |

**COLUMNS 34, 35.**
Tr. = rain has fallen, but amount less than 0·1 mm.

**COLUMNS 8, 22.—Code for surface visibility.**

| | Objects not visible at |
|---|---|
| 0 Dense fog | 55 yards. |
| 1 Thick fog | 220 ,, |
| 2 Fog | 550 ,, |
| 3 Moderate fog | 1,100 ,, |
| 4 Mist or haze | 1½ miles. |
| 5 Poor visibility | 2½ ,, |
| 6 Moderate ,, | 6½ ,, |
| 7 Good ,, | 12½ ,, |
| 8 Very good .. | 31 ,, |
| 9 Excellent ,, | beyond 31m. |

**COLUMN 30.—Code for State of Sea.**

| | |
|---|---|
| 0 Calm. | 5 Very rough |
| 1 Smooth. | 6 High. |
| 2 Slight. | 7 Very high. |
| 3 Moderate. | 8 Precipitous. |
| 4 Rough. | 9 Confused. |

TERMS OF SUBSCRIPTION. { Single Copies, 1d. each: by post 1½d. / 2/6 per month; 6/6 per quarter; 25/- per year.

METEOROLOGICAL OFFICE, AIR MINISTRY, ADASTRAL HOUSE, KINGSWAY, LONDON, W.C.2.

George C. Simpson, K.C.B., D.Sc., F.R.S., Director.

† 1 hr. observations are from Valentia W/T Station. ‡ Maximum and Minimum Temperatures are for the 24 hours ending 8 h. § Sea disturbance reported from Dungeness.

AIR MINISTRY.

# THE DAILY WEATHER REPORT

## OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION
Sunday, 3rd April, 1938.
No. 27891.

### OBSERVATIONS at 13h. G.M.T. 2nd April

| District | Stations (For heights see p. 4.) | Barom. at M.S.L. mb. (1) | Change in 3 hours (2) | Wind Direc. (3) | Wind Force 0–12 (4) | Weather (5) | Temp. °F. (6) | % Humid. (7) | Visibility 0–9 (8) | Cloud Form Low (9) | Cloud Form Med. (10) | Cloud Form High (11) | Cloud Amount Low 0–10 (12) | Cloud Amount Total 0–10 (13) | Height of Base (feet) (14) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | London (Kew) | 1019.1 | -22 | W'S | 5 | c | 55 | 65 | 8 | 5 | - | - | 9+ | 9+ | 2500 |
| | Croydon ... | 1019.4 | -26 | WSW | 5 | bc | 56 | 65 | 7 | 7 | - | 1 | 4-6 | 4-6 | 2500 |
| | S. Farnborough | 1019.9 | -22 | WNW | 5 | c | 56 | 55 | 8 | 5 | - | - | 9+ | 9+ | 2500 |
| | Boscombe Down | 1020.9 | -20 | W'S | 5 | c | 52 | 75 | 8 | 5 | - | - | 9+ | 9+ | 1500 |
| | Calshot (Sthmtn.) | 1021.3 | -28 | SW | 5 | c | 54 | 75 | 8 | 5 | 3 | - | 7-8 | 7-8 | 4000 |
| | Lympne ... | 1019.6 | -30 | SWW | 5 | bc | 56 | 65 | 8 | 1 | - | 1 | 2-3 | 2-3 | 1500 |
| | Manston ... | 1018.4 | -28 | W'S | 5 | b | 58 | 55 | 7 | 1 | - | 1 | 1 | 1 | 2500 |
| 2 | Shoeburyness ... | 1018.2 | -32 | WSW | 4 | b | 58 | 55 | 6 | 1 | - | 1 | Tr | 1 | 2500 |
| | Felixstowe ... | 1017.0 | -30 | SWW | 5 | bc | 57 | 55 | 8 | 5 | 3 | - | 1 | 2-3 | 2500 |
| | Gorleston ... | 1015.2 | -30 | SWW | 4 | c | 56 | 85 | 6 | 7 | 4 | - | 4-6 | 7-8 | 2500 |
| | Mildenhall ... | 1015.9 | -32 | WSW | 6 | c | 58 | 65 | 8 | 5 | - | 1 | 7-8 | 7-8 | 2500 |
| | Cranwell ... | 1014.1 | -26 | SWW | 6 | c | 56 | 65 | 8 | 8 | 7 | - | 7-8 | 9+ | 2500 |
| 3 | Birmingham ... | 1015.9 | -14 | WSW | 4 | c | 53 | 65 | 8 | 5 | - | - | 9+ | 9+ | 2500 |
| | Upper Heyford | 1018.8 | -22 | W'S | 4 | c | 52 | 65 | 8 | 5 | - | 1 | 9+ | 9+ | 2500 |
| 4 | Ross-on-Wye | 1018.6 | -16 | W'S | 5 | q | 52 | 75 | 8 | 5 | - | - | 9+ | 9+ | 2500 |
| 5 | Bristol ... | 1020.9 | -18 | WSW | 5 | c | 51 | 75 | 8 | 5 | - | - | 10 | 10 | 1500 |
| | Portland Bill ... | 1021.4 | -20 | WSW | 4 | c | 50 | 75 | 8 | 2 | 4 | - | 4-6 | 7-8 | 2500 |
| | Plymouth ... | 1023.3 | -12 | W'S | 4 | c | 51 | 85 | 8 | 5 | - | - | 10 | 10 | 2500 |
| | The Lizard ... | 1024.0 | -4 | SWW | 4 | c | 52 | 85 | 8 | 4 | 6 | - | 9 | 10 | 1500 |
| | Scilly (St. Mary's) | 1024.0 | -12 | WSW | 4 | c | 52 | 85 | 8 | 5 | - | - | 10 | 10 | 2500 |
| | Guernsey ... | 1025.7 | -6 | W'S | 3 | c | 52 | 75 | 9 | 8 | - | - | 10 | 10 | 2500 |
| 6 | Pembroke ... | 1019.7 | -19 | SW | 5 | q | 50 | 85 | 7 | 5 | 7 | - | 4-6 | 7-8 | 2500 |
| 7 | Holyhead ... | 1013.5 | -18 | SW'S | 6 | c | 50 | 85 | 8 | 5 | 2 | - | 2-3 | 10 | 2500 |
| | Chester (Sealand) | 1014.9 | -18 | WSW | 4 | c | 54 | 65 | 8 | 5 | 7 | - | 4-6 | 9 | 2500 |
| 8 | Manchester ... | 1013.5 | -30 | SWW | 5 | c | 53 | 65 | 7 | 5 | 7 | - | 4-6 | 9+ | 2500 |
| 10 | Spurn Head ... | 1011.7 | -30 | W'S | 6 | q | 56 | 65 | 7 | 8 | - | - | 9+ | 9+ | 1500 |
| | Catterick ... | 1009.0 | -30 | SW | 4 | c/r | 53 | 75 | 9 | 5 | 4 | 3 | 7-8 | 9 | 1500 |
| | Tynemouth ... | 1005.4 | -30 | W | 6 | q | 55 | 65 | 8 | 8 | - | - | 9 | 9 | 1500 |
| 11 | St. Abbs Head | 999.8 | -28 | WSW | 8 | q | 52 | 85 | 8 | 6 | 1 | 1 | 2-3 | 7-8 | 1500 |
| | Leuchars ... | 999.0 | -40 | WSW | 6 | pro | 55 | 85 | 7 | 8 | 3 | 1 | 7-8 | 9 | 1500 |
| 12 | Renfrew (Abbots I.) | 1003.0 | -34 | SW | 5 | RR | 51 | 97 | 6 | 6 | - | - | 10 | 10 | 450 |
| | Eskdalemuir ... | 1005.5 | -34 | SSW | 6 | roro | 46 | 92 | 6 | 5 | - | - | 10 | 10 | 450 |
| | Point of Ayre ... | 1008.6 | -24 | W'S | 7 | c | 53 | 85 | 8 | 5 | 1 | - | 4-6 | 10 | 1500 |
| 13A | Tiree ... | 1004.1 | +36 | WNW | 6 | c | 48 | 75 | 7 | 8 | 3 | - | 4-6 | 7-8 | 1500 |
| 13B | Stornoway ... | 998.4 | +26 | WNW | 8 | pro | 47 | 75 | 8 | 8 | 7 | - | 7-8 | 7-8 | 2500 |
| 15 | Dalwhinnie ... | 999.8 | -4 | WSW | 4 | c | 45 | 85 | 6 | 5 | 1 | - | 4-6 | 10 | 2500 |
| | Aberdeen ... | 994.3 | -34 | SWW | 6 | jp | 62 | 55 | 8 | 3 | - | 1 | 4-6 | 4-6 | 2500 |
| | Wick ... | 992.7 | -8 | W | 10 | c/pr | 47 | 75 | 8 | 8 | 7 | 5 | 7-8 | 9+ | 1500 |
| 16 | Lerwick ... | 980.7 | -56 | SW | 9 | c | 46 | 85 | 7 | 8 | 7 | - | 7-8 | 9+ | 800 |
| 17 | Blacksod Point | 1012.0 | 0 | WNW | 4 | dd | 48 | 97 | 7 | 6 | - | - | 10 | 10 | <150 |
| 18 | Malin Head ... | 1006.4 | -4 | WNW | 5 | rr | 47 | 92 | 6 | 6 | 2 | - | 4-6 | 10 | 800 |
| | Aldergrove ... | 1007.9 | -28 | SW'S | 6 | ido | 52 | 85 | 7 | 5 | - | - | 10 | 10 | 1500 |
| 19 | Birr Castle ... | 1014.1 | -18 | WSW | 3 | ir | 53 | 97 | 7 | 6 | 2 | - | 7-8 | 10 | 800 |
| 20 | Valentia Obsy. † | 1018.0 | -14 | SWW | 5 | iro | 53 | 97 | 6 | 5 | - | - | 10 | 10 | 450 |
| | Roches Point | 1018.2 | * | W'S | 4 | c | 55 | 85 | 8 | 8 | - | 5 | 4-6 | 7-8 | 1500 |

### OBSERVATIONS at 18h. G.M.T. 2nd April

| Stations | Barom. at M.S.L. mb. (15) | Change in 3 hours (16) | Wind Direc. (17) | Wind Force 0–12 (18) | Weather (19) | Temp. °F. (20) | % Humid. (21) | Visibility 0–9 (22) | Cloud Form Low (23) | Cloud Form Med. (24) | Cloud Form High (25) | Cloud Amount Low 0–10 (26) | Cloud Amount Total 0–10 (27) | Height of Base (feet) (28) | State of Ground 0–9 (29) | Sea 0–9 (30) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| London (Kew) | 1015.5 | -20 | WSW | 4 | c | 53 | 65 | 8 | 5 | - | 6 | 7-8 | 9+ | 2500 | 0 | * |
| Croydon | 1016.4 | -18 | WSW | 5 | c | 53 | 65 | 7 | 5 | - | - | 7-8 | 7-8 | 4000 | 0 | * |
| S. Farnborough | 1015.9 | -16 | W | 5 | c | 53 | 65 | 8 | 5 | - | - | 9+ | 9+ | 4000 | 0 | * |
| Boscombe Down | 1017.3 | -18 | W'S | 4 | c | 51 | 75 | 8 | 5 | - | - | 10 | 10 | 1500 | 0 | * |
| Calshot (Sthmtn.) | 1018.0 | -18 | SW | 4 | c | 51 | 85 | 7 | 5 | - | - | 9+ | 9+ | 1500 | 0 | 3 |
| Lympne | 1016.3 | -20 | SWW | 5 | bc | 49 | 85 | 8 | 5 | - | 5 | 2-3 | 4-6 | 1500 | 0 | § 4 |
| Manston | 1014.8 | -12 | SWW | 4 | bc | 52 | 85 | 7 | 2 | - | 6 | 1 | 4-6 | 2500 | 0 | * |
| Shoeburyness | 1014.7 | -20 | W'S | 4 | c | 54 | 65 | 8 | 4 | - | 2 | 4-6 | 7-8 | 4000 | 0 | * |
| Felixstowe | 1013.5 | -30 | SWW | 4 | c | 54 | 65 | 8 | 5 | - | 6 | 2-3 | 7-8 | 1500 | 0 | 3 |
| Gorleston | 1010.7 | -20 | SW | 4 | c | 56 | 65 | 6 | 5 | - | - | 9+ | 9+ | 2500 | 0 | 3 |
| Mildenhall | 1011.5 | -26 | SW | 6 | c | 53 | 75 | 8 | - | 2 | 6 | 0 | 9 | - | 0 | * |
| Cranwell | 1009.7 | -20 | SW | 4 | c | 54 | 65 | 7 | 5 | 7 | - | 7-8 | 10 | 2500 | 0 | * |
| Birmingham | 1011.6 | -16 | WSW | 5 | o | 51 | 75 | 8 | 5 | - | - | 10 | 10 | 2500 | 0 | * |
| Upper Heyford | 1014.5 | -22 | W'S | 5 | c | 50 | 75 | 8 | 5 | - | 2 | 4-6 | 9+ | 1500 | 0 | * |
| Ross-on-Wye | 1014.2 | -26 | WSW | 5 | q | 52 | 92 | 7 | 5 | - | 9 | 9 | 9+ | 2500 | 0 | * |
| Bristol | 1016.9 | -22 | WSW | 6 | c | 51 | 75 | 8 | 5 | - | - | 9+ | 9+ | 1500 | 0 | * |
| Portland Bill | 1018.4 | -20 | WSW | 4 | c | 49 | 85 | 7 | 4 | 7 | - | 7-8 | 10 | 2500 | 1 | 4 |
| Plymouth | 1020.0 | -20 | WSW | 3 | c | 51 | 85 | 8 | 5 | - | - | 9+ | 9+ | 2500 | 0 | 2 |
| The Lizard | 1020.7 | -14 | WSW | 5 | c | 50 | 85 | 8 | 4 | 6 | - | 7-8 | 9 | 2500 | 0 | 2 |
| Scilly (St. Mary's) | 1020.8 | -14 | WSW | 5 | bc | 51 | 85 | 8 | 5 | 4 | 4 | 4-6 | 4-6 | 2500 | 0 | 2 |
| Guernsey | 1022.5 | -18 | SW | 3 | c | 50 | 85 | 7 | 8 | - | - | 10 | 10 | 2500 | 0 | 2 |
| Pembroke | 1015.0 | -18 | SW'W | 7 | q | 49 | 92 | 7 | 5 | - | - | 10 | 10 | 2500 | 1 | 4 |
| Holyhead | 1009.3 | -18 | WSW | 5 | iro | 50 | 85 | 7 | 6 | 2 | - | 9 | 10 | 1500 | 1 | 3 |
| Chester (Sealand) | 1009.1 | -40 | SW | 5 | rr | 51 | 85 | 8 | 5 | 2 | - | 7-8 | 10 | 1500 | 1 | * |
| Manchester | 1008.3 | -30 | SW'S | 5 | c/r | 50 | 92 | 7 | 5 | 2 | - | 9 | 10 | 1500 | 1 | * |
| Spurn Head | 1006.3 | -32 | SW | 5 | q | 54 | 75 | 7 | 8 | 6 | - | 4-6 | 9+ | 1500 | 0 | 4 |
| Catterick | 1002.0 | -32 | WSW | 7 | iro | 52 | 92 | 6 | 6 | 7 | 2 | 4-6 | 7-8 | 800 | 1 | * |
| Tynemouth | 1002.7 | +10 | W | 6 | q | 54 | 75 | 7 | 8 | - | 1 | 4-6 | 7-8 | 1500 | 0 | 2 |
| St. Abbs Head | 1000.6 | 0 | WNW | 6 | bc | 47 | 85 | 8 | 7 | 4 | 9 | 2-3 | 4-6 | 2500 | 0 | 4 |
| Leuchars | 1000.2 | +12 | WNW | 6 | bc | 48 | 65 | 9 | 8 | 3 | - | 2-3 | 4-6 | 2500 | 0 | * |
| Renfrew (Abbots I.) | 1004.2 | +10 | W | 4 | c/pr | 45 | 75 | 8 | 8 | - | - | 7-8 | 7-8 | 2500 | 1 | * |
| Eskdalemuir | 1004.6 | +16 | W | 5 | c | 43 | 75 | 8 | 5 | - | - | 9 | 9 | 1500 | 1 | * |
| Point of Ayre | 1007.9 | +20 | NWN | 5 | c | 46 | 97 | 8 | 5 | 7 | - | 7-8 | 9+ | 1500 | 1 | 4 |
| Tiree | 1005.9 | +8 | NWW | 7 | bc | 45 | 65 | 7 | 3 | 3 | 2 | 2-3 | 4-6 | 1500 | 1 | 4 |
| Stornoway | 1000.7 | +16 | WNW | 5 | c/phr | 41 | 85 | 8 | 8 | 7 | - | 7-8 | 9 | 2500 | 1 | 3 |
| Dalwhinnie | 1002.4 | +6 | W | 5 | rs | 37 | 75 | 6 | 8 | 6 | 1 | 4-6 | 9 | 2500 | 1 | * |
| Aberdeen | 998.9 | +20 | W'N | 4 | bc/pr | 45 | 75 | 8 | 3 | - | - | 2-3 | 2-3 | 2500 | 1 | 3 |
| Wick | 996.0 | +2 | NW | 7 | rs | 39 | 97 | 8 | 5 | 7 | - | 7-8 | 9+ | 1500 | 1 | 4 |
| Lerwick | 988.7 | +22 | NW | 8 | c/phr | 37 | 75 | 8 | 8 | - | - | 7-8 | 7-8 | 800 | 1 | * |
| Blacksod Point | 1015.2 | +16 | NW | 6 | bc | 48 | 65 | 8 | 3 | - | - | 4-6 | 4-6 | 4000 | 1 | 4 |
| Malin Head | 1009.4 | +14 | NWW | 6 | jp | 46 | 65 | 7 | 3 | - | - | 4-6 | 4-6 | 2500 | 1 | 4 |
| Aldergrove | 1009.6 | +22 | W'N | 4 | bc/pr | 46 | 75 | 8 | 8 | - | - | 2-3 | 2-3 | 2500 | 1 | * |
| Birr Castle | 1013.2 | +4 | WNW | 2 | ir | 48 | 97 | 7 | 6 | 2 | - | 4-6 | 10 | 800 | 1 | * |
| Valentia Obsy. † | 1017.5 | +2 | N'W | 5 | id | 49 | 97 | 6 | 5 | - | - | 10 | 10 | 450 | 1 | 3 |
| Roches Point | 1014.9 | * | W | 4 | c | 55 | 92 | 8 | 8 | - | 5 | 7-8 | 9+ | 1500 | 1 | 3 |

### PAST 24 HOURS.

| Stations | Weather 7h.–13h. 2nd (37) | Weather 13h.–18h. 2nd (38) | Weather 18h. 2nd to 1h. 3rd (39) | Weather 1h.–7h. 3rd (40) |
|---|---|---|---|---|
| London (Kew) | c | c | c | crb |
| Croydon | cbc | bcc | edz | odrbo |
| S. Farnborough | cy | cyc | cb,ciro | [illegible] |
| Boscombe Down | c | c | c | ccirob |
| Calshot (Sthmtn.) | c,bc | bcc | c | cprb |
| Lympne | cbc | bbc | bccb,c | corrb |
| Manston | cby | bbcy | bbcc | bccrr |
| Shoeburyness | cbzy | bzybc | bcbbc | bccrrb |
| Felixstowe | c,bvy | bcvy | bcc | cirorrb |
| Gorleston | cq | cq | coirq | oirbc |
| Mildenhall | c | cbcc | ccrrqm | cbcpr,b |
| Cranwell | bcc | c | circ | cprbc |
| Birmingham | c | c | oirbc | bcpr |
| Upper Heyford | c | c | ocr | cb |
| Ross-on-Wye | ecq | cq | odcP | bcb |
| Bristol | cq | cqdc | cqrrrrr | orbcb |
| Portland Bill | c | c | c | cbc |
| Plymouth | c | c | cddc | cbcb |
| The Lizard | c | c | coffv | rcbc |
| Scilly (St. Mary's) | c | cbccbc | oddido | ocbc |
| Guernsey | oc | c | cbcc | oirbc |
| Pembroke | cq | cqc | cqirbcb | bq |
| Holyhead | c | iroc | irrb | bbc |
| Chester (Sealand) | c | rrrmc | RrrmC | bcc |
| Manchester | c | crrm | cRrrbc | cPRprbc |
| Spurn Head | ccq | cqpr | qprb | bbcqc |
| Catterick | ccir | vdcir | crbcb | b |
| Tynemouth | cq | cq | cqb | bbc |
| St. Abbs Head | cq | bc | bq | bqbc |
| Leuchars | iroprq | cqprV | bcbq | bbcqy |
| Renfrew (Abbots I.) | drDDR | rrqpr | bcqprph | bcqb |
| Eskdalemuir | crrr | rcrrc | prprs | b |
| Point of Ayre | cirq | crrc | bcprc | cbc |
| Tiree | oDDiR | cprbc | cpHR | c |
| Stornoway | crr | cphrq | cbcPRql | bchpl |
| Dalwhinnie | cRr | ciRsrs | * | cispl |
| Aberdeen | vbybc | cqPRV | cqprb | bcPS |
| Wick | cPRc | prirs | iHs | PHRS |
| Lerwick | irirpr | cddphrq | cphsq | cirspRl |
| Blacksod Point | iD | prcq | PHRq | PHRq |
| Malin Head | idrc | cprbc | cphrcPH | cPHRbc |
| Aldergrove | cirid | rrRfr | bcqb | bbcprb |
| Birr Castle | cir | cir | cirb | bbc |
| Valentia Obsy. † | ciro | irmid | ddbcb | bbc |
| Roches Point | c | cprc | prlbc | bc |

## EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

### COLUMNS 5, 19, 37, 38, 39, 40—BEAUFORT NOTATION AND SYMBOLS FOR WEATHER.

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog „ less than 220 yds.
fs, low fog over sea (coast station).
fg, low fog over land (inland station).
m. mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jf, fog at a distance, but not at station.
jp. precipitation within sight of station.
ks, storm of drifting snow.
k/so, slight storm of drifting snow (generally low).
k/S, heavy storm of drifting snow (generally low).
so/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze: the turbid atmosphere of dry weather.
h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus R, heavy rain. ro, slight rain. rr, continuous rain.
<, less than (for cloud height).
⊕, Solar halo. ⦶ lunar halo. gale.
With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions thus:—bc/r, fair weather after rain; —, has decreased; +, has increased.

### COLUMNS 9, 23.—FORM OF LOW CLOUD.

0 No low clouds.
1 Fair weather Cu.
2 Large Cu without anvil.
3 Cb.
4 Sc formed by the spreading out of Cu.
5 Layer of St or Sc.
6 Ragged low clouds of bad weather (or fractonimbus).
7 Fair weather Cu. and Sc.
8 Large-Cu (or Cb) and Sc.
9 Large-Cu (or Cb) and ragged low clouds of bad weather.

### COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4-6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries. "tr" signifies a small amount of cloud (trace) covering less than 1/20 of the sky. "9+" signifies an overcast sky with a few small openings.

### COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

0 No medium clouds.
1 Typical As (thin).
2 Typical As (thick) (sun or moon invisible), or Nimbostratus (Ns).
3 Single layer of Ac or high Sc.
4 Ac in isolated patches. Individually decreasing (often lenticular).
5 Ac in bands (increasing).
6 Ac formed from the spreading out of Cu.
7 Ac associated with As or As with parts resembling Ac.
8 Ac Castellatus (or Ac in ragged fragments).
9 Ac in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

### COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

0 No cirriform cloud.
1 Fine Ci not increasing: sparse.
2 Fine Ci not increasing: abundant but not a continuous layer.
3 Anvil Ci (usually dense).
4 Fine Ci increasing: usually in tufts.
5 Ci or Cs increasing: still below 45° altitude: often in polar bands.
6 Ci or Cs increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Cs covering whole sky.
8 Cs not increasing and not covering whole sky.
9 Cc predominating, and a little cirrus.
(Cc may occur with any of the types 1 to 8).

Cloud form abbreviations:—
Cirrus,–Ci: Cirrocumulus,–Cc: Cirrostratus,–Cs: Altocumulus,–Ac: Altostratus,–As
Stratocumulus,–Sc: Stratus,–St: Nimbostratus,–Ns: Cumulus,–Cu: Cumulonimbus,–Cb

### COLUMN 29.—STATE OF GROUND.

0 .. Ground dry.
1 .. „ wet.
2 .. „ flooded.
3 .. „ frozen hard and dry.
4 .. „ partly covered with snow or hail.
5 .. „ covered with ice or glazed frost.
6 .. Ground covered with thawing snow.
7 .. „ covered with snow, less than 6 ins., deep but ground not frozen.
8 .. „ covered with snow, less than 6 ins., but ground frozen.
9 .. „ covered with snow greater than 6 ins. deep.

NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

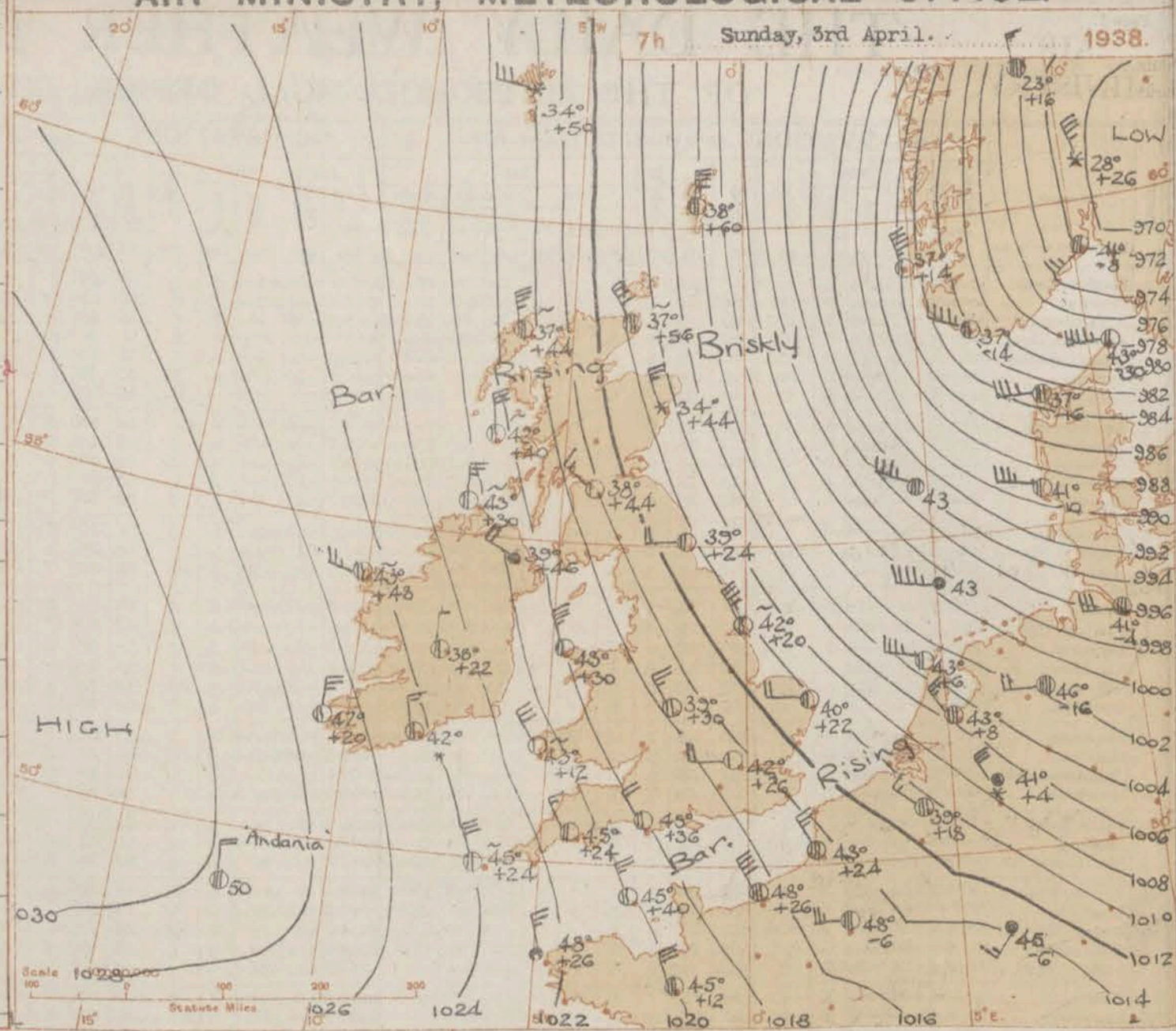
† Sea disturbance reported from Dungeness.

# AIR MINISTRY, METEOROLOGICAL OFFICE.

## REPORTS from HEALTH RESORTS for 2nd April 1938.

| Districts. | Stations. | Weather. Forenoon. | Weather. Afternoon. | Temperature (°F.) Min. 9h. 1st to 9h. 2nd | Temperature (°F.) Max. 9h.—17h. 2nd | Rainfall (mm.) Night. 17h. 1st to 9h. 2nd | Rainfall (mm.) Day. 9h.—17h. 2nd | Sunshine (Hrs.) Sunrise to 17h. 2nd | Sunshine (Hrs.) Sunrise to Sunset. 1st |
|---|---|---|---|---|---|---|---|---|---|
| 1 | Tunbridge W. | bcb | bbc | 40 | 61 | - | - | 7·8 | 6·4 |
| | Bournemouth | octbc | bc | 47 | 58 | - | - | 2·8 | 0·9 |
| | Ventnor ... | oc | cbcu | 46 | 52 | - | - | 3·9 | 2·6 |
| | Southsea ... | cbcb | bbc | 47 | 58 | - | - | 4·7 | 0·9 |
| | Bognor Regis | cbc | bcc | 46 | 55 | - | - | 4·9 | 3·7 |
| | Littlehampton | cbc | bc | 44 | 54 | - | - | 5·1 | 4·9 |
| | Worthing ... | cbc | bcbbc | 44 | 54 | - | - | 5·2 | 5·9 |
| | Brighton ... | cbc | bcb | 45 | 53 | - | - | 3·7 | 5·2 |
| | Eastbourne† ... | cb | bbc | 45 | 53 | - | - | 6·2 | 5·8 |
| | Hastings† ... | cbc | bbc | 42 | 53 | - | - | 5·3 | 6·6 |
| | Folkestone ... | cbc | bc | 41 | 55 | - | - | 7·3 | 5·5 |
| | Dover ... | bcb | bbc | 43 | 54 | - | - | 7·2 | 6·2 |
| | Deal ... ... | ocb | b | 42 | 61 | - | - | 7·7 | 6·3 |
| | Ramsgate ... | bc | bc | 44 | 61 | - | - | 7·5 | 6·8 |
| | Margate ... | cbc | bc | 43 | 60 | - | - | 7·4 | ~~8·3~~ 8·2 |
| 2 | Southend ... | ob | bbcc | 43 | 58 | - | - | 5·1 | 7·6 |
| | Clacton-on-Sea | cbc | bc | 42 | 59 | - | - | 5·8 | 8·9 |
| | Dovercourt ... | ocbc | bc | 43 | 59 | - | - | 6·2 | 9·0 |
| | Lowestoft ... | cbcb | bbcc | 41 | 61 | - | - | 4·9 | 5·3 |
| | Skegness ... | c | c | 42 | 57 | - | - | 0·4 | 1·5 |
| | Mablethorpe... | c | c | 43 | 56 | - | - | 0·3 | 2·5 |
| | Cleethorpes ... | cbc | bcc | 44 | 58 | - | - | 1·5 | 3·7 |
| 3 | Leamington S. | c | c | 42 | 57 | - | - | 2·1 | 4·0 |
| 4 | Cheltenham† | c | c | 42 | 54 | - | - | 0·7 | 7·4 |
| 5 | Bath ... ... | c | c | 48 | 53 | 2 | - | 0·0 | 2·5 |
| | Weymouth ... | c | bbc | 47 | 52 | - | - | 3·0 | 0·0 |
| | Jersey ... | q | c | 46 | 51 | - | - | 0·1 | 0·0 |
| | Torquay ... | c | c | 48 | 57 | - | - | 1·4 | 0·1 |
| | Falmouth | c | c | 48 | 53 | - | - | 0·0 | 0·0 |
| | Penzance ... | c | cbcc | 49 | 54 | - | - | 0·9 | 0·0 |
| | St. Ives ... | c | c | 44 | 59 | - | - | 0·8 | 0·4 |
| | Bude... ... | c | c | 47 | 51 | - | - | 0·0 | 0·2 |
| | Ilfracombe ... | oc | cbcc | 48 | 52 | - | - | 0·2 | 0·2 |
| 6 | Aberystwyth | c | c | 47 | 51 | - | - | 0·0 | 0·4 |
| 7 | Llandudno ... | c | cbcrc | 46 | 56 | - | 2 | 1·3 | 5·4 |
| | Colwyn Bay... | bcc | crro | 47 | 57 | - | 3 | 2·9 | 3·3 |
| | Rhyl ... ... | cbc | bccr | 47 | 56 | - | 1 | 3·2 | 4·1 |
| 8 | Wallasey ... | cbc | crr | 47 | 56 | - | 4 | 1·4 | 2·2 |
| | Southport ... | cbc | o | 47 | 54 | - | 1 | 0·6 | 1·7 |
| | Blackpool ... | oc | oiro | 46 | 51 | - | 2 | 0·1 | 0·9 |
| | Morecambe ... | ccrr | cirrc | 47 | 50 | - | 6 | 0·0 | 2·1 |
| 9 | Ilkley... ... | ccr | or | 45 | 52 | - | 3 | 0·0 | 1·2 |
| | Harrogate ... | cq | qrr | 45 | 52 | - | 1 | 0·3 | 1·1 |
| 10 | Berwick-on-T. | cr | rc | 48 | 53 | Trace | 1 | 4·3 | 0·9 |
| 11 | Dunbar ... | crm | bcpr | 48 | 57 | Trace | Trace | 3·5 | 1·6 |
| 12 | Troon... ... | ror | rroc | 46 | 48 | 2 | 4 | 0·0 | 0·0 |
| | Douglas ... | cq | cpr | 47 | 52 | - | 3 | 0·0 | 2·1 |

† Max. Temp. for period 21h. yesterday to 17h. to-day; Min. Temp. 21h.–9h.




BAROMETRE. Isobars are drawn for intervals of two millibars.
WIND, WEATHER SYMBOLS. For explanation see opposite page.
SEA DISTURBANCE ~~~ Rough. ≈≈ High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

## FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 3rd. April, 1938.

| Districts. | Forecasts |
|---|---|
| 1 S.E. England | Wind northwest, fresh; gusty, moderating; fine; rather cold with ground frost at night. |
| 2 E. England ♠ | Wind northwest to north, strong to gale locally at first, squally; local showers of rain or hail chiefly near coast; snow showers locally on hills; rather cold, ground frost at night. |
| 3 E. Midlands ... | |
| 4 W. Midlands ... | |
| 5 S.W. England | Wind north, fresh to moderate; fine; average day temperature; night frost inland. |
| 6 South Wales ♠ | |
| 7 North Wales ♠ | Wind northwest, strong, squally, decreasing; bright periods, local showers of rain or hail at first; rather cold with local night frost. |
| 8 N.W. England ♠ | |
| 9 N. Midlands ... | |
| 10 N.E. England ♠ | As 2 - 3. |
| 11 S.E. Scotland ♠ | |
| 12 S.W. Scotland ♠ & Isle of Man. | As 4 - 6. |
| 13 A. W. Scotland ♠ B. N.W. Scotland. | Wind north, strong to gale, moderating later; showers of hail and sleet with snow on hills; cold. |
| 14 Mid Scotland | |
| 15 N. E. Scotland ♠ | |
| 16 Orkney and Shetland ♠ | |
| 17 N. W. Ireland | |
| 18 N. E. Ireland ♠ | As 4 - 6. |
| 19 S. E. Ireland ♠ | |
| 20 S. W. Ireland | |

### GENERAL INFERENCE

A large anticyclone westward of the British Isles is spreading east as an intense depression over South Sweden moves away eastwards. Secondaries are expected to move down from the North later. A rather cold type of weather will prevail with wintry showers in the North and Northeast but with mainly fine conditions in the West and South.

### FURTHER OUTLOOK.

Continuing rather cold with some night frosts.

Times of issue of Gale Warnings.

A North Cone hoisted at 1950 On 2nd in districts 6,7,8,10, 11, 12, 13A, 13B, 15, 16, 18,19 and part in district 2.

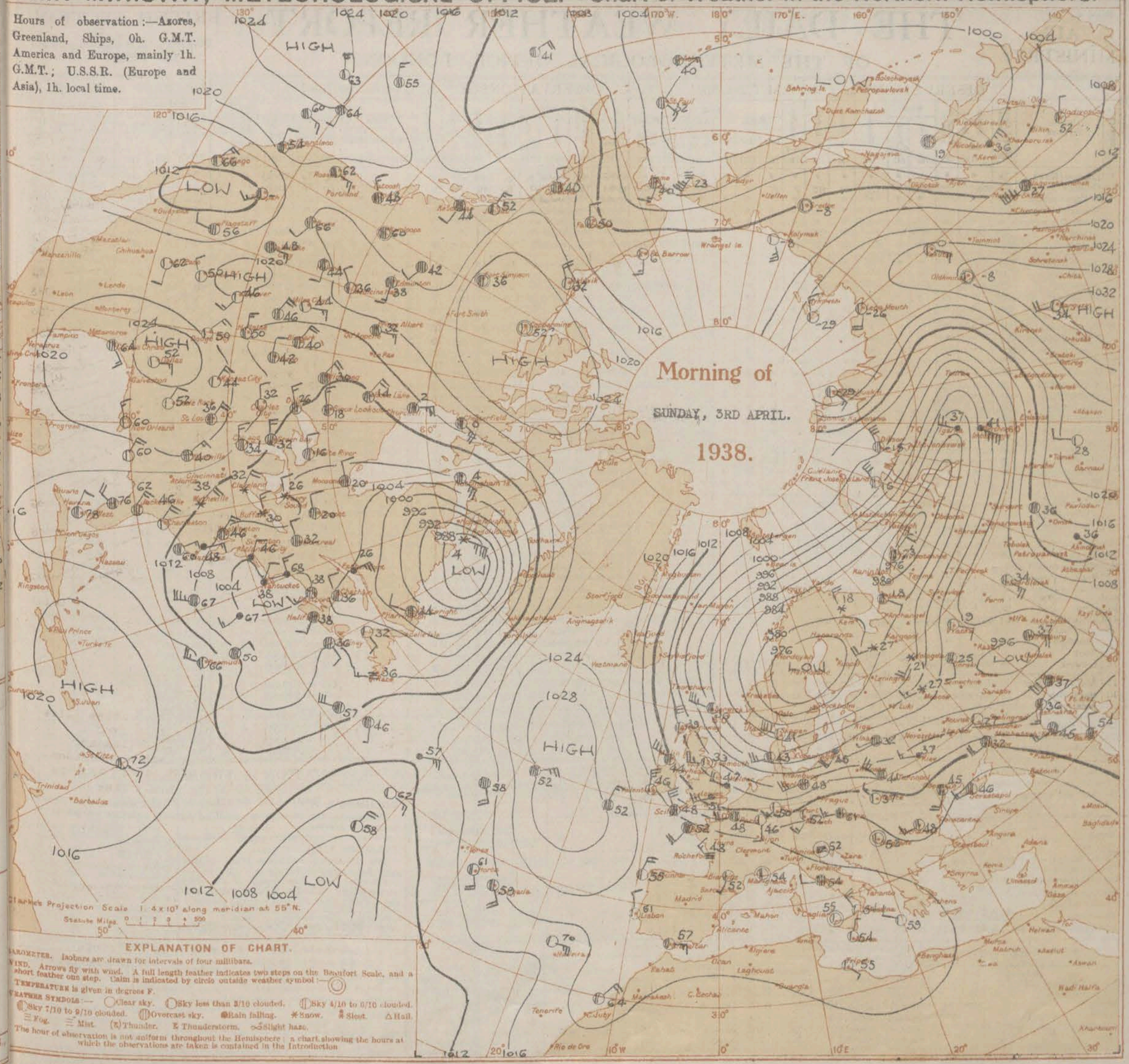
Forecasts issued at 1130 G.M.T.

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S., Director.

H.M. Stationery Office Press, Kingsway W.C.2

# AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

Hours of observation :—Azores, Greenland, Ships, 0h. G.M.T. America and Europe, mainly 1h. G.M.T.; U.S.S.R. (Europe and Asia), 1h. local time.




## EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. Calm is indicated by circle outside weather symbol :—

TEMPERATURE is given in degrees F.

WEATHER SYMBOLS :— Clear sky. Sky less than 3/10 clouded. Sky 4/10 to 6/10 clouded. Sky 7/10 to 9/10 clouded. Overcast sky. Rain falling. Snow. Sleet. Hail. Fog. Mist. Thunder. Thunderstorm. Slight haze.

The hour of observation is not uniform throughout the Hemisphere; a chart showing the hours at which the observations are taken is contained in the Introduction

AIR MINISTRY.

# THE DAILY WEATHER REPORT

## OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Sunday, 3rd April, 1938.
No. 27891.

### OBSERVATIONS at 1 hr. G.M.T. 3rd April

| District | Stations | Height above M.S.L. in feet | Barom. at M.S.L. mb. (1) | Change in 3 hours (2) | Wind Direc. (3) | Wind Force 0–12 (4) | Weather (5) | Temp. °F. (6) | Humid. % (7) | Visibility 0–9 (8) | Cloud Form Low (9) | Cloud Form Med. (10) | Cloud Form High (11) | Cloud Amount Low 0–10 (12) | Cloud Amount Total 0–10 (13) | Height of Base (feet) (14) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | London (Kew) | 18 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Croydon ... | 217 | 1011·2 | -22 | WSW | 5 | id | 51 | 85 | 7 | 5 | - | - | 10 | 10 | 1500 |
| | S. Farnborough | 226 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Boscombe Down | 417 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Calshot (Shmtn.) | 8 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Lympne ... | 346 | 1011·4 | -26 | WSW | 5 | c | 47 | 85 | 7 | 5 | - | - | 10 | 10 | 800 |
| | Manston ... | 142 | 1010·1 | -18 | W'S | 5 | c | 49 | 85 | 7 | 5 | - | - | 7-8 | 7-8 | 1500 |
| 2 | Shoeburyness... | 11 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Felixstowe ... | 15 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Gorleston ... | 5 | 1007·6 | -2 | WNW | 4 | ir | 47 | 85 | 6 | 6 | - | - | 10 | 10 | 1500 |
| | Mildenhall ... | 19 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Cranwell ... | 240 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 3 | Birmingham ... | 535 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Upper Heyford | 408 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 4 | Ross-on-Wye | 223 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 5 | Bristol ... | 209 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Portland Bill ... | 32 | 1013·1 | -20 | W | 5 | c | 49 | 85 | 7 | 5 | - | - | 10 | 10 | 2500 |
| | Plymouth ... | 82 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | The Lizard ... | 240 | 1017·8 | -10 | WNW | 5 | rr | 50 | 97 | 7 | 5 | - | - | 10 | 10 | 1500 |
| | Scilly (St. Mary's) | 163 | 1019·8 | -16 | NNW | 5 | o/d | 48 | 97 | 8 | 5 | - | - | 10 | 10 | 1500 |
| | Guernsey ... | 175 | 1018·1 | -22 | W | 5 | ir | 50 | 92 | 6 | 5 | - | - | 10 | 10 | 2500 |
| 6 | Pembroke ... | 142 | 1017·0 | +20 | NW | 5 | q | 45 | 75 | 8 | 5 | - | - | Tr | Tr | 2500 |
| 7 | Holyhead ... | 26 | 1015·7 | +10 | WNW | 7 | b | 45 | 75 | 7 | 5 | - | - | Tr | Tr | 1500 |
| | Chester (Sealand) | 16 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 8 | Manchester ... | 70 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 10 | Spurn Head ... | 29 | 1006·4 | +16 | W'N | 6 | q | 44 | 75 | 8 | - | - | - | 0 | 0 | - |
| | Catterick ... | 175 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Tynemouth ... | 108 | 1005·7 | +6 | W | 5 | b | 39 | 75 | 8 | - | - | - | 0 | 0 | - |
| 11 | St. Abbs Head... | 280 | 1004·3 | +24 | WNW | 6 | q | 38 | 85 | 8 | - | - | - | 0 | 0 | - |
| | Leuchars ... | 36 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 12 | Renfrew (Abbots I.) | 19 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Eskdalemuir ... | 794 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Point of Ayre... | 30 | 1010·6 | +6 | NW'N | 6 | bc | 40 | 97 | 8 | 8 | - | - | 4-6 | 4-6 | 1500 |
| 13A | Tiree ... ... | 22 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 13B | Stornoway ... | 80 | 1008·3 | +36 | WNW | 6 | bc | 39 | 75 | 8 | 8 | - | - | 4-6 | 4-6 | 2500 |
| 15 | Dalwhinnie ... | 1176 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Aberdeen ... | 79 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Wick ... | 81 | 1000·6 | +20 | NW | 8 | PHR | 39 | 75 | 8 | 9 | 7 | - | 4-6 | 7-8 | 1500 |
| 16 | Lerwick ... | 156 | 997·4 | +24 | WNW | 7 | c/ph | 36 | 92 | 7 | 8 | 2 | - | 7-8 | 10 | 800 |
| 17 | Blacksod Point | 18 | 1020·6 | +20 | NW | 7 | q | 40 | 85 | 8 | 3 | - | - | 2-3 | 2-3 | 2500 |
| 18 | Malin Head ... | 84 | 1011·7 | +16 | NW | 5 | c/ph | 44 | 75 | 6 | 9 | | - | 7-8 | 7-8 | 1500 |
| | Aldergrove ... | 268 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 19 | Birr Castle ... | 173 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 20 | Valentia Obsy. † | 30 | 1023·2 | +14 | NNW | 5 | b | 46 | 85 | 8 | - | - | - | 0 | 0 | - |
| | Roches Point | 22 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |

### OBSERVATIONS at 7 hr. G.M.T. 3rd April

| District | Stations | Barom. at M.S.L. mb. (15) | Change in 3 hours (16) | Wind Direc. (17) | Wind Force 0–12 (18) | Weather (19) | Temp. °F. (20) | Humid. % (21) | Visibility 0–9 (22) | Cloud Form Low. (23) | Cloud Form Med. (24) | Cloud Form High (25) | Cloud Amount Low 0–10 (26) | Cloud Amount Total 0–10 (27) | Height of Base (feet) (28) | State of Ground 0–9 (29) | Sea 0–9 (30) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | London (Kew) | 1015·6 | +26 | WNW | 3 | b | 43 | 65 | 8 | 5 | - | - | Tr | Tr | 4000 | 1 | * |
| | Croydon ... | 1015·1 | +26 | W'N | 4 | b | 42 | 75 | 8 | 1 | - | - | Tr | Tr | 4000 | 1 | * |
| | S. Farnborough | 1016·2 | +30 | NW'W | 4 | b | 41 | 65 | 8 | - | - | - | 0 | 0 | - | 1 | * |
| | Boscombe Down | 1017·7 | +20 | WNW | 3 | b | 39 | 85 | 8 | - | - | - | 0 | 0 | - | 1 | * |
| | Calshot (Shmtn.) | 1017·7 | +22 | W'N | 4 | b | 42 | 75 | 8 | - | - | - | 0 | 0 | - | 1 | 2 |
| | Lympne ... | 1014·7 | +30 | NW'W | 4 | b | 41 | 65 | 8 | 5 | - | - | Tr | Tr | 4000 | 0 | 2 |
| | Manston ... | 1015·0 | +26 | NW'W | 6 | bc | 43 | 65 | 8 | 1 | 4 | - | 2-3 | 4-6 | 2500 | 1 | * |
| 2 | Shoeburyness... | 1015·8 | +26 | W'N | 4 | bc | 43 | 65 | 8 | 4 | - | - | 2-3 | 2-3 | 4000 | 1 | * |
| | Felixstowe ... | 1011·8 | +20 | W'N | 5 | bc | 43 | 75 | 8 | 5 | 3 | - | 4-6 | 4-6 | 1500 | 1 | 3 |
| | Gorleston ... | 1010·3 | +22 | W'N | 4 | bc | 40 | 85 | 6 | 2 | - | - | 2-3 | 2-3 | 2500 | 1 | 3 |
| | Mildenhall ... | 1012·3 | +20 | WNW | 5 | b | 41 | 85 | 8 | 1 | 4 | - | Tr | 1 | 2500 | 1 | * |
| | Cranwell ... | 1015·0 | +36 | W | 4 | b | 39 | 75 | 8 | 5 | 4 | - | Tr | Tr | 4000 | 1 | * |
| 3 | Birmingham ... | 1016·0 | +30 | NW | 5 | bc | 39 | 85 | 8 | 3 | - | - | 4-6 | 4-6 | 1500 | 1 | * |
| | Upper Heyford | 1016·0 | +22 | NW'W | 5 | bc | 40 | 85 | 9 | 5 | - | - | 2-3 | 2-3 | 2500 | 1 | * |
| 4 | Ross-on-Wye | 1017·5 | +16 | WNW | 4 | b | 42 | 65 | 8 | 7 | - | - | 1 | 1 | 4000 | 0 | * |
| 5 | Bristol ... | 1018·7 | +20 | NW | 5 | b | 42 | 65 | 8 | 1 | - | - | 1 | 1 | 2500 | 1 | * |
| | Portland Bill ... | 1019·4 | +36 | NW | 4 | bc | 45 | 65 | 8 | 4 | - | - | 2-3 | 2-3 | 2500 | 1 | 3 |
| | Plymouth ... | 1021·5 | +24 | NW | 3 | bc | 45 | 65 | 8 | 5 | - | - | 2-3 | 2-3 | 2500 | 0 | 2 |
| | The Lizard ... | 1022·9 | +30 | NNW | 5 | bc | 44 | 75 | 8 | 8 | - | - | 4-6 | 4-6 | 2500 | 1 | 2 |
| | Scilly (St. Mary's) | 1024·0 | +24 | NNW | 6 | bc | 45 | 75 | 8 | 2 | - | - | 4-6 | 4-6 | 2500 | 1 | 4 |
| | Guernsey ... | 1021·2 | +40 | NW'N | 5 | bc | 45 | 65 | 8 | 1 | - | - | 2-3 | 2-3 | 2500 | 1 | 3 |
| 6 | Pembroke ... | 1021·5 | +12 | NW'W | 6 | u | 43 | 69 | 8 | 5 | 4 | - | Tr | 1 | 4000 | 1 | 4 |
| 7 | Holyhead ... | 1018·1 | +30 | NW'N | 7 | bc | 43 | 75 | 8 | 2 | - | - | 4-6 | 4-6 | 2500 | 1 | 3 |
| | Chester (Sealand) | 1016·7 | +38 | NW | 6 | c | 43 | 75 | 8 | 8 | - | - | 7-8 | 7-8 | 2500 | 1 | * |
| 8 | Manchester ... | 1014·7 | +26 | NW'W | 5 | bc | 41 | 75 | 8 | 8 | 4 | - | 2-3 | 2-3 | 2500 | 1 | * |
| 10 | Spurn Head ... | 1010·0 | +20 | NW'W | 7 | q | 42 | 85 | 7 | 8 | 6 | 8 | 2-3 | 4-6 | 2500 | 0 | 4 |
| | Catterick ... | 1012·3 | +40 | WNW | 5 | b | 39 | 65 | 9 | - | - | 8 | 0 | Tr | - | 0 | * |
| | Tynemouth ... | 1010·2 | +24 | W | 4 | bc | 39 | 65 | 8 | 2 | - | - | 2-3 | 2-3 | 1500 | 0 | 2 |
| 11 | St. Abbs Head... | 1008·4 | +16 | NW | 8 | q | 40 | 75 | 8 | 8 | 1 | 1 | 2-3 | 4-6 | 2500 | 0 | 5 |
| | Leuchars ... | 1010·7 | +30 | NW | 7 | bc | 39 | 55 | 9 | 1 | 3 | - | Tr | 2-3 | 2500 | 0 | * |
| 12 | Renfrew (Abbots I.) | 1015·8 | +44 | WNW | 3 | b | 38 | 85 | 7 | 1 | - | 8 | Tr | 1 | 4000 | 1 | * |
| | Eskdalemuir ... | 1013·8 | +34 | NW'W | 4 | b | 35 | 75 | 8 | 1 | - | 1 | Tr | 1 | 1500 | 1 | * |
| | Point of Ayre... | 1017·1 | +32 | N | 6 | bc | 43 | 75 | 8 | 2 | - | - | 2-3 | 2-3 | 2500 | 1 | 4 |
| 13A | Tiree ... ... | 1018·9 | +40 | N'W | 6 | bc | 42 | 65 | 8 | 8 | 4 | - | 4-6 | 4-6 | 1500 | 0 | 4 |
| 13B | Stornoway ... | 1017·7 | +44 | NNW | 7 | c/ph | 37 | 75 | 8 | 8 | - | - | 7-8 | 7-8 | 2500 | 1 | 4 |
| 15 | Dalwhinnie ... | * | +40 | NW | 5 | PHR | 33 | 92 | 7 | 3 | 6 | - | 4-6 | 7-8 | 2500 | 4 | * |
| | Aberdeen ... | 1008·5 | +44 | NNW | 5 | PS | 34 | 97 | 7 | 3 | - | - | 10 | 10 | 1500 | 1 | 4 |
| | Wick ... | 1009·3 | +56 | NW | 8 | c/ph | 37 | 97 | 7 | 9 | 7 | 8 | 4-6 | 9+ | 1500 | 1 | 4 |
| 16 | Lerwick ... | 1004·0 | +60 | N | 8 | c/ph | 38 | 75 | 8 | 8 | - | - | 7-8 | 7-8 | 800 | 1 | * |
| 17 | Blacksod Point | 1025·7 | +48 | NW | 5 | bc | 43 | 85 | 8 | 3 | - | - | 4-6 | 4-6 | 2500 | 1 | 4 |
| 18 | Malin Head ... | 1021·6 | +30 | N | 5 | bc | 43 | 75 | 8 | 2 | - | - | 4-6 | 4-6 | 2500 | 1 | 4 |
| | Aldergrove ... | 1020·5 | +46 | WNW | 4 | phr | 39 | 75 | 8 | 3 | - | - | 4-6 | 4-6 | 1500 | 1 | * |
| 19 | Birr Castle ... | 1023·6 | +22 | N | 1 | bc | 38 | 92 | 8 | 5 | 1 | - | 2-3 | 4-6 | 2500 | 1 | * |
| 20 | Valentia Obsy. † | 1027·6 | +20 | N | 5 | bc | 47 | 65 | 8 | 2 | - | - | 2-3 | 2-3 | 2500 | 1 | 3 |
| | Roches Point | 1025·5 | * | N'W | 3 | bc | 42 | 85 | 8 | 5 | - | 1 | 1 | 2-3 | 2500 | 1 | 2 |

### PAST 24 HOURS.

| Stations | Temperature Max. Day 7h–18h °F. (31) | Temperature Min. Night 18h–7h °F (32) | Min. on Grass °F. (33) | Rainfall Day 7h–18h mm. (34) | Rainfall Night 18h–7h mm. (35) | Sunshine 24 hrs. Hrs. (36) |
|---|---|---|---|---|---|---|
| London (Kew) | 56 | 41 | 35 | - | 2 | 5·1 |
| Croydon ... | 58 | 41 | 37 | - | 1 | 6·2 |
| S. Farnborough | 56 | 40 | 34 | - | 1 | 2·8 |
| Boscombe Down | 53 | 37 | 34 | - | 1 | 0·5 |
| Calshot (Shmtn.) | 60 | 41 | 37 | - | 0·4 | 3·7 |
| Lympne ... | 57 | 40 | 35 | - | 2 | * |
| Manston ... | 61 | 41 | 38 | - | 2 | 8·0 |
| Shoeburyness... | 60 | 40 | 34 | - | 2 | 6·1 |
| Felixstowe ... | 57 | 41 | 37 | - | 1 | 5·8 |
| Gorleston ... | 60 | 40 | 39 | - | 0·3 | 3·2 |
| Mildenhall ... | 59 | 39 | 34 | - | 1 | 3·7 |
| Cranwell ... | 58 | 37 | 34 | - | 0·3 | 1·6 |
| Birmingham ... | 54 | 38 | 35 | - | 2 | 1·6 |
| Upper Heyford | 55 | 38 | 32 | - | 0·6 | * |
| Ross-on-Wye | 54 | 41 | 35 | - | 1 | 0·6 |
| Bristol ... | 52 | 39 | 33 | Tr | 2 | 0·0 |
| Portland Bill ... | 51 | 44 | * | - | - | * |
| Plymouth ... | 52 | 44 | 38 | - | 0·2 | 0·0 |
| The Lizard ... | 53 | 43 | * | - | 0·5 | 0·4 |
| Scilly (St. Mary's) | 53 | 45 | * | - | 1 | 1·5 |
| Guernsey ... | 53 | 44 | 40 | - | 1 | 0·0 |
| Pembroke ... | 52 | 42 | * | - | 0·6 | 2·0 |
| Holyhead ... | 51 | 43 | 40 | 0·5 | 3 | 0·1 |
| Chester (Sealand) | 54 | 41 | 37 | 2 | 2 | 0·7 |
| Manchester ... | 55 | 37 | 34 | 3 | 5 | 0·3 |
| Spurn Head ... | 57 | 41 | * | Tr | - | 0·8 |
| Catterick ... | 54 | 38 | 35 | 0·1 | Tr | 2·7 |
| Tynemouth ... | 57 | 38 | 26 | - | - | 2·5 |
| St. Abbs Head... | 56 | 35 | * | 0·3 | - | * |
| Leuchars ... | 55 | 37 | 31 | 0·3 | - | 2·7 |
| Renfrew (Abbots I.) | 52 | 36 | 33 | 12 | 0·5 | 1·8 |
| Eskdalemuir ... | 48 | 34 | 30 | 16 | 0·6 | 0·0 |
| Point of Ayre... | 54 | 38 | * | 3 | 3 | 0·0 |
| Tiree ... ... | 51 | 37 | 35 | 1 | 1 | 4·4 |
| Stornoway ... | 61 | 35 | * | 3 | 1 | 4·7 |
| Dalwhinnie ... | 49 | 32 | 30 | 11 | 2 | 0·6 |
| Aberdeen ... | 52 | 33 | 32 | 2 | 4 | 9·6 |
| Wick ... | 66 | 33 | * | 3 | 7 | * |
| Lerwick ... | 51 | 34 | * | 0·6 | 2 | 1·5 |
| Blacksod Point | 53 | 37 | * | 2 | 2 | * |
| Malin Head ... | 52 | 38 | * | 2 | 3 | 2·2 |
| Aldergrove ... | 53 | 36 | 31 | 3 | 1 | 0·5 |
| Birr Castle ... | 54 | 36 | * | 3 | Tr | 0·0 |
| Valentia Obsy. † | 54 | 44 | 40 | 1 | 0·1 | 0·1 |
| Roches Point | 56 | 41 | * | Tr | 0·1 | * |

### LONDON OBSERVATIONS

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations except for rainfall which is 9h—18h.

| | Height above M.S.L. in feet | Weather Morning (24 hrs. ended 9h.) | Weather Afternoon (24 hrs. ended 9h.) | Weather Night (24 hrs. ended 9h.) | Temperature Day Max. °F. | Temperature Night Min. °F. | Temperature Min. on Grass °F. | Rainfall Day mm. | Rainfall Night mm. | Sunshine to Sunset hrs. (Yesterday) | Humidity 15h. G.M.T. % (Yesterday) | Humidity 9h. G.M.T. % (To-day) | Visibility 9h. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kew... | 18 | c | c | crb | 56 | 41 | 35 | - | 2 | 5·1 | * | * | 8 |
| Croydon ... | 217 | cbc | bcc | od r bu | 58 | 41 | 37 | - | 1 | 6·2 | * | * | 8 |
| Greenwich (Royal Observatory)... | 149 | c | c | cf bc | 59 | 46 | 34 | - | 2 | | 80 | 52 | 6 |
| City (Bunhill Row) ... | — | * | * | * | * | * | * | * | * | 5·5 | * | * | * |
| Westminster (St. James' Park) ... | 27 | * | * | * | 59 | 42 | 35 | 2 | | 4·3 | 59 | 58 | * |
| Regents Pk. (Botanic Gardens)‡... | 148 | * | * | * | | | | | | 4·2 | | | * |
| Camden Square ... | 110 | cbc | b | * | 57 | 41 | 36 | - | 2 | * | * | | * |
| Kensington ... | 80 | bc | bc | * | 58 | 42 | 35 | - | 1 | 5·0 | At 18h. 73 | 56 | * |
| Hampstead Observatory ... | 450 | bc | bc | bc | 55 | 42 | 39 | 2 | - | 2·0* | * | 77 | * |

### FOREIGN OBSERVATIONS.

| Stations | 18h. G.M.T. 2nd April Barom. mb. | Wind Direc. | Wind Force | Weather | Temp. °F. | 7h. G.M.T. 3rd April Barom. mb. | Wind Direc. | Wind Force | Weather | Temp. °F. | Past 24 Hours Max. Day °F. | Min. Night °F. | Rainfall Day mm. | Rainfall Night mm. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Paris ... | 1019·4 | W | 3 | b | 43 | 1014·5 | W | 5 | c/r | 48 | 43 | 40 | - | Tr |
| Brussels ... | 1016·5 | WSW | 5 | c | 48 | 1010·4 | WNW | 3 | c | 39 | 52 | 37 | - | 5 |
| Berlin ... | 1009·7 | WNW | 5 | c | 50 | | | | | | 61 | | Tr | |
| Zurich ... | 1020·4 | WNW | 2 | b | 46 | 1014·4 | NW | 3 | b | 52 | 73 | 45 | - | - |
| Rome ... | 1022·7 | NW'W | 1 | b | 57 | 1020·9 | - | 0 | 0 | 55 | * | * | - | - |

### Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. 3rd...

| South Kensington Max. | Time. | Min. | Time. |
|---|---|---|---|
| 40·3 | whole period | | |

| Kew Observatory Max. | Time. | Min. | Time. |
|---|---|---|---|
| 40.1 | whole period | | |

## EXPLANATION OF FIGURES, LETTERS, etc.

**COLUMNS 2, 16.**
The barometric tendency is expressed in tenths of a millibar.

**COLUMNS 4, 18.**
The Beaufort Scale of Wind is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers is the speed at about 30 feet above the ground.

| Beaufort No | Statute m/h. | Beaufort No. | Statute m/h. | Beaufort No. | Statute m/h. |
|---|---|---|---|---|---|
| 0 | <1 | 4 | 13–18 | 9 | 47–54 |
| 1 | 1–3 | 5 | 19–24 | 10 | 55–63 |
| 2 | 4–7 | 6 | 25–31 | 11 | 64–75 |
| 3 | 8–12 | 7 | 32–38 | 12 | > 75 |
| | | 8 | 39–46 | | |

**COLUMNS 34, 35.**
Tr. = rain has fallen, but amount less than 0·1 mm.

**COLUMNS 8, 22 —Code for surface visibility.**

| | Objects not visible at |
|---|---|
| 0 Dense fog | 55 yards. |
| 1 Thick fog | 220 ,, |
| 2 Fog | 550 ,, |
| 3 Moderate fog | 1,100 ,, |
| 4 Mist or haze | 1½ miles. |
| 5 Poor visibility | 2½ ,, |
| 6 Moderate ,, | 6½ ,, |
| 7 Good ,, | 12½ ,, |
| 8 Very good ,, | 31 ,, |
| 9 Excellent ,, | beyond 31m. |

**COLUMN 30.—Code for State of Sea.**

| | |
|---|---|
| 0 Calm. | 5 Very rough. |
| 1 Smooth. | 6 High. |
| 2 Slight. | 7 Very high. |
| 3 Moderate. | 8 Precipitous. |
| 4 Rough. | 9 Confused. |

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METEOROLOGICAL OFFICE, AIR MINISTRY, ADASTRAL HOUSE, KINGSWAY, LONDON, W.C.2.

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S., Director.

† 1 hr. observations are from Valentia W/T Station. ‡ Maximum and Minimum Temperatures are for the 24 hours ending 8 h. * Sea disturbance reported from Dungeness.

AIR MINISTRY.

# THE DAILY WEATHER REPORT

## OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Monday, 4th April, 1938.
No. 27892.

### OBSERVATIONS at 13h. G.M.T. 3rd April

| District | Stations (For heights see p. 4.) | Barom. at M.S.L. mb. (1) | Change in 3 hours. (2) | Wind. Direc. (3) | Wind. Force 0–12 (4) | Weather. (5) | °Temp. F. (6) | % Humid. (7) | Visibility 0–9 (8) | Cloud. Form. Low (9) | Form. Med. (10) | Form. High (11) | Amount. Low 0–10 (12) | Amount. Total 0–10 (13) | Height of Base (feet) (14) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | London (Kew) | 1021·4 | +22 | NW | 5 | bc | 51 | 35 | 8 | 2 | - | - | 4-6 | 4-6 | 2500 |
| | Croydon ... | 1021·1 | +26 | NNW | 4 | bc | 51 | 35 | 7 | 2 | - | - | 4-6 | 4-6 | 4000 |
| | S. Farnborough | 1022·0 | +22 | NNW | 4 | c | 51 | 35 | 8 | 1 | - | - | 9 | 9 | 4000 |
| | Boscombe Down | 1023·2 | +22 | NNW | 5 | bc | 50 | 45 | 8 | 8 | - | - | 4-6 | 4-6 | 4000 |
| | Calshot (Sthmtn.) | 1022·9 | +22 | NNW | 5 | q | 51 | 55 | 8 | 7 | - | - | 4-6 | 4-6 | 2500 |
| | Lympne ... | 1020·6 | +32 | NNW | 4 | bc | 49 | 35 | 9 | 1 | - | - | 4-6 | 4-6 | 2500 |
| | Manston ... | 1019·6 | +34 | NNW | 5 | q | 48 | 35 | 8 | 2 | - | - | 2-3 | 2-3 | 2500 |
| 2 | Shoeburyness ... | 1020·1 | +28 | NW | 5 | c | 54 | 35 | 8 | 2 | - | - | 7-8 | 7-8 | 4000 |
| | Felixstowe ... | 1018·3 | +30 | WNW | 6 | jp | 51 | 25 | 8 | 8 | 3 | - | 4-6 | 4-6 | 2500 |
| | Gorleston ... | 1016·7 | +34 | NW | 7 | o/pr | 48 | 35 | 6 | 8 | - | - | 9+ | 9+ | 2500 |
| | Mildenhall ... | 1019·2 | +30 | NW | 6 | q | 51 | 35 | 9 | 2 | 6 | - | 7-8 | 7-8 | 4000 |
| | Cranwell ... | 1020·2 | +42 | WNW | 6 | bc | 47 | 35 | 8 | 8 | - | - | 4-6 | 4-6 | 2500 |
| 3 | Birmingham ... | 1021·9 | +28 | NW | 5 | bc | 48 | 35 | 8 | 2 | - | - | 4-6 | 4-6 | 2500 |
| | Upper Heyford | 1022·3 | +26 | NW | 5 | bc | 50 | 35 | 8 | 2 | - | - | 4-6 | 4-6 | 4000 |
| 4 | Ross-on-Wye | 1024·2 | +20 | NNW | 4 | jp | 51 | 35 | 9 | 2 | - | - | 4-6 | 4-6 | 4000 |
| 5 | Bristol ... | 1024·2 | +26 | NNW | 6 | bc | 52 | 36 | 8 | 1 | - | - | 4-6 | 4-6 | 4000 |
| | Portland Bill ... | 1024·4 | +20 | NW | 3 | c | 51 | 85 | 8 | 2 | - | - | 7-8 | 7-8 | 2500 |
| | Plymouth ... | 1026·9 | +26 | N | 5 | c | 49 | 55 | 9 | 7 | - | - | 7-8 | 7-8 | 2500 |
| | The Lizard ... | 1028·1 | +20 | NNW | 5 | bc | 50 | 65 | 8 | 8 | - | - | 4-6 | 4-6 | 1500 |
| | Scilly (St. Mary's) | 1029·2 | +20 | N | 5 | bc | 51 | 75 | 8 | 2 | - | 2 | 4-6 | 4-6 | 2500 |
| | Guernsey ... | 1025·8 | +22 | NNW | 5 | b | 50 | 55 | 9 | 1 | - | - | Tr | Tr | 2500 |
| 6 | Pembroke ... | 1028·0 | +24 | NNW | 5 | q | 50 | 55 | 8 | 7 | 4 | - | 2-3 | 2-3 | 2500 |
| 7 | Holyhead ... | 1026·2 | +30 | NNW | 7 | b | 47 | 55 | 8 | 2 | - | - | 1 | 1 | 2500 |
| | Chester (Sealand) | 1021·4 | +32 | NNW | 7 | bc | 47 | 55 | 8 | 8 | - | - | 4-6 | 4-6 | 2500 |
| 8 | Manchester ... | 1022·6 | +30 | NNW | 5 | bc | 48 | 55 | 8 | 7 | - | - | 4-6 | 4-6 | 2500 |
| 10 | Spurn Head ... | 1017·7 | +46 | NW | 7 | q | 47 | 65 | 7 | 4 | - | - | 4-6 | 4-6 | 1500 |
| | Catterick ... | 1020·7 | +42 | NW | 5 | bc | 47 | 45 | 8 | 2 | - | - | 4-6 | 4-6 | 4000 |
| | Tynemouth ... | 1018·8 | +30 | NW | 8 | bc | 45 | 55 | 7 | 2 | - | - | 2-3 | 2-3 | 1500 |
| 11 | St. Abbs Head . | 1019·4 | +24 | NW | 7 | q | 42 | 75 | 9 | 2 | 8 | 1 | 2-3 | 4-6 | 2500 |
| | Leuchars ... | 1021·4 | +42 | NW | 4 | bc | 46 | 55 | 9 | 8 | 6 | - | 4-6 | 4-6 | 2500 |
| 12 | Renfrew (Abbotsl.) | 1023·7 | +40 | NW | 4 | bc | 48 | 55 | 9 | 8 | - | 1 | 4-6 | 4-6 | 4000 |
| | Eskdalemuir ... | 1022·0 | +40 | NW | 6 | bc | 46 | 45 | 8 | 5 | - | 1 | 4-6 | 4-6 | 4000 |
| | Point of Ayre... | 1025·3 | +32 | N | 6 | bc | 48 | 65 | 8 | 1 | 4 | - | 1 | 2-3 | 4000 |
| 13A | Tiree ... ... | 1027·5 | +28 | NW | 6 | bc | 46 | 55 | 8 | 2 | - | 8 | 4-6 | 4-6 | 2500 |
| 13B | Stornoway ... | 1025·9 | +32 | NNW | 7 | c | 43 | 92 | 5 | 5 | 7 | - | 4-6 | 7-8 | 7200 |
| 15 | Dalwhinnie ... | 1025·6 | +48 | N | 3 | 55 | 32 | 97 | 7 | 3 | 6 | - | 4-6 | 9+ | 2500 |
| | Aberdeen ... | 1019·3 | +50 | NW | 5 | bc/pr | 39 | 65 | 8 | 3 | - | 1 | 4-6 | 4-6 | 1500 |
| | Wick ... | 1019·3 | +46 | NW | 9 | PRS | 41 | 75 | 7 | 8 | 7 | 8 | 4-6 | 7-8 | 1500 |
| 16 | Lerwick ... | 1014·6 | +36 | N | 8 | c/phr | 40 | 75 | 8 | 8 | 7 | - | 4-6 | 7-8 | 1500 |
| 17 | Blacksod Point | 1031·7 | +36 | N | 5 | bc | 49 | 75 | 9 | 2 | - | - | 4-6 | 4-6 | 2500 |
| 18 | Malin Head ... | 1025·5 | +28 | NW | 5 | bc | 45 | 65 | 8 | 2 | - | - | 2-3 | 2-3 | 2500 |
| | Aldergrove ... | 1027·8 | +30 | NNW | 5 | bc | 45 | 45 | 8 | 2 | - | - | 4-6 | 4-6 | 2500 |
| 19 | Birr Castle ... | 1030·2 | +34 | NNW | 3 | c/pr | 47 | 65 | 8 | 8 | 7 | - | 7-8 | 9 | 1500 |
| 20 | Valentia Obsy. † | 1032·3 | +20 | NE | 4 | bc | 52 | 55 | 8 | 2 | - | 1 | 2-3 | 2-3 | 2500 |
| | Roches Point | 1030·7 | * | NE | 4 | bc | 53 | 65 | 9 | 2 | - | 1 | 4-6 | 4-6 | 2500 |

### OBSERVATIONS at 18h. G.M.T. 3rd April

| District | Stations | Barom. at M.S.L. mb. (15) | Change in 3 hours. (16) | Wind. Direc. (17) | Wind. Force 0–12 (18) | Weather. (19) | °Temp. F. (20) | % Humid. (21) | Visibility 0–9 (22) | Cloud. Form. Low. (23) | Form. Med. (24) | Form. High. (25) | Amount. Low 0–10 (26) | Amount. Total 0–10 (27) | Height of Base (feet) (28) | State of Ground. 0–9 (29) | Sea. 0–9 (30) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | London (Kew) | 1026·3 | +28 | NW | 4 | z | 49 | 45 | 6 | 2 | - | - | 2-3 | 2-3 | 2500 | 1 | * |
| | Croydon ... | 1025·9 | +30 | NNW | 4 | bc | 49 | 45 | 6 | 2 | - | - | 2-3 | 2-3 | 4000 | 0 | * |
| | S. Farnborough | 1026·7 | +28 | NW | 3 | b | 49 | 45 | 7 | 1 | - | - | 1 | 1 | 4000 | 0 | * |
| | Boscombe Down | 1027·6 | +26 | NW | 4 | b | 47 | 35 | 8 | 4 | - | 4 | Tr | Tr | 4000 | 0 | * |
| | Calshot (Sthmtn.) | 1026·7 | +24 | NNW | 5 | bc | 50 | 45 | 8 | 1 | - | 1 | Tr | 2-3 | 2500 | 0 | 3 |
| | Lympne ... | 1025·4 | +38 | NW | 4 | bc | 47 | 45 | 9 | 4 | - | - | 2-3 | 2-3 | 2500 | 0 | §2 |
| | Manston ... | 1024·7 | +36 | NW | 3 | bc | 46 | 55 | 8 | 8 | - | - | 2-3 | 2-3 | 4000 | 0 | * |
| 2 | Shoeburyness ... | 1025·4 | +32 | NNW | 3 | bc | 47 | 45 | 8 | 2 | 6 | - | 2-3 | 2-3 | 4000 | 0 | * |
| | Felixstowe ... | 1024·7 | +34 | NNW | 4 | b | 47 | 45 | 9 | 1 | - | - | Tr | Tr | 2500 | 0 | 3 |
| | Gorleston ... | 1023·1 | +36 | NW | 6 | bc | 45 | 55 | 7 | 2 | - | - | 4-6 | 4-6 | 2500 | 0 | 3 |
| | Mildenhall ... | 1025·3 | +32 | NW | 3 | bc/pr | 44 | 65 | 9 | 3 | - | - | 2-3 | 2-3 | 2500 | 1 | * |
| | Cranwell ... | 1025·4 | +40 | NW | 3 | bc | 47 | 45 | 8 | 8 | 3 | - | 4-6 | 4-6 | 2500 | 0 | * |
| 3 | Birmingham ... | 1026·8 | +26 | NW | 4 | b | 46 | 45 | 8 | - | - | - | 0 | 0 | - | 1 | * |
| | Upper Heyford | 1027·2 | +30 | NW | 4 | b | 46 | 55 | 8 | 4 | - | - | Tr | Tr | 4000 | 0 | * |
| 4 | Ross-on-Wye | 1028·2 | +30 | N | 3 | b | 46 | 45 | 9 | 1 | - | 1 | Tr | Tr | 4000 | 0 | * |
| 5 | Bristol ... | 1028·1 | +20 | N | 4 | bc | 48 | 45 | 8 | 7 | 3 | - | 2-3 | 2-3 | 4000 | 0 | * |
| | Portland Bill ... | 1026·6 | +20 | NW | 2 | bc | 48 | 65 | 8 | 4 | - | - | 4-6 | 4-6 | 2500 | 1 | 2 |
| | Plymouth ... | 1029·3 | +18 | N | 5 | bc | 49 | 45 | 8 | 1 | - | 5 | Tr | 2-3 | 2500 | 0 | 1 |
| | The Lizard ... | 1030·7 | +12 | N | 4 | bc | 47 | 65 | 8 | 7 | 7 | - | 1 | 2-3 | 4000 | 0 | 3 |
| | Scilly (St. Mary's) | 1031·5 | +12 | NE | 4 | bc | 47 | 65 | 8 | 1 | - | 2 | 1 | 2-3 | 2500 | 0 | 3 |
| | Guernsey ... | 1028·2 | +12 | NW | 2 | b | 49 | 75 | 8 | - | 3 | - | 0 | Tr | - | 0 | 3 |
| 6 | Pembroke ... | 1031·3 | +10 | N | 4 | q | 46 | 55 | 8 | - | 7 | 9 | 0 | 4-6 | - | 1 | 2 |
| 7 | Holyhead ... | 1029·6 | +18 | N | 5 | bc | 45 | 65 | 8 | 2 | 4 | 5 | Tr | 2-3 | 2500 | 1 | 2 |
| | Chester (Sealand) | 1028·6 | +22 | NW | 5 | b | 46 | 65 | 8 | 5 | - | - | 1 | 1 | 2500 | 1 | * |
| 8 | Manchester ... | 1027·6 | +30 | NNE | 2 | bc | 47 | 55 | 8 | 8 | 6 | - | 4-6 | 4-6 | 2500 | 1 | * |
| 10 | Spurn Head ... | 1023·8 | +36 | NNW | 7 | q | 44 | 75 | 7 | 4 | - | 5 | 2-3 | 4-6 | 2500 | 0 | 4 |
| | Catterick ... | 1026·6 | +36 | NNE | 3 | bc | 42 | 65 | 9 | 8 | - | 3 | 4-6 | 4-6 | 2500 | 0 | * |
| | Tynemouth ... | 1025·1 | +32 | NNW | 6 | q | 45 | 45 | 8 | 2 | - | - | 4-6 | 4-6 | 1500 | 0 | 3 |
| 11 | St. Abbs Head . | 1025·5 | +30 | N | 5 | q | 41 | 75 | 8 | 8 | 6 | 1 | 4-6 | 4-6 | 2500 | 0 | 5 |
| | Leuchars ... | 1026·3 | +24 | NW | 4 | bc | 43 | 55 | 9 | 8 | - | - | 2-3 | 2-3 | 4000 | 0 | * |
| 12 | Renfrew (Abbotsl.) | 1027·8 | +26 | NW | 5 | bc | 44 | 55 | 9 | 1 | - | 1 | Tr | 2-3 | 4000 | 0 | * |
| | Eskdalemuir ... | 1026·9 | +24 | NW | 4 | bc | 41 | 45 | 8 | 8 | - | - | 2-3 | 2-3 | 4000 | 1 | * |
| | Point of Ayre... | 1029·0 | +20 | N | 6 | bc | 45 | 65 | 8 | 1 | - | 5 | 1 | 2-3 | 4000 | 0 | 4 |
| 13A | Tiree ... ... | 1030·5 | +20 | NNW | 5 | bc | 43 | 55 | 8 | 8 | - | 8 | 2-3 | 2-3 | 2500 | 0 | 4 |
| 13B | Stornoway ... | 1027·3 | 0 | W | 4 | c | 42 | 65 | 8 | 5 | 7 | - | 7-8 | 9+ | 2500 | 1 | 2 |
| 15 | Dalwhinnie ... | * | +22 | NNW | 4 | bc | 36 | 65 | 8 | 4 | 6 | - | 2-3 | 2-3 | 4000 | 1 | * |
| | Aberdeen ... | 1024·9 | +34 | NW | 5 | jp | 40 | 55 | 8 | 3 | - | - | 1 | 1 | 2500 | 1 | 4 |
| | Wick ... | 1023·3 | +16 | NW | 8 | c | 41 | 65 | 8 | 8 | 6 | - | 4-6 | 7-8 | 1500 | 1 | 4 |
| 16 | Lerwick ... | 1018·1 | +14 | NNW | 7 | c | 37 | 65 | 8 | 8 | 7 | - | 4-6 | 7-8 | 1500 | 1 | * |
| 17 | Blacksod Point | 1034·0 | +16 | NNW | 3 | bc | 48 | 65 | 9 | 2 | - | - | 2-3 | 2-3 | 4000 | 0 | 3 |
| 18 | Malin Head ... | 1032·2 | +20 | NW | 4 | bc | 45 | 65 | 8 | 7 | - | - | 4-6 | 4-6 | 4000 | 0 | 3 |
| | Aldergrove ... | 1030·9 | +20 | NW | 4 | bc | 44 | 55 | 8 | 2 | - | 1 | 4-6 | 4-6 | 2500 | 1 | * |
| 19 | Birr Castle ... | 1032·2 | +18 | NNW | 2 | bc | 48 | 45 | 8 | - | 4 | - | 0 | 2-3 | - | 1 | * |
| 20 | Valentia Obsy. † | 1034·3 | +14 | NW | 4 | bc | 50 | 55 | 9 | 2 | - | 4 | 1 | 2-3 | 2500 | 1 | 3 |
| | Roches Point | 1032·6 | * | NE | 3 | bc | 51 | 65 | 9 | 1 | - | - | 2-3 | 2-3 | 4000 | 0 | 2 |

### PAST 24 HOURS.

| District | Stations | Weather. 7h.—13h. 3rd (37) | Weather. 13h.—18h. 3rd (38) | Weather. 18h.—1h. 3rd to 4th (39) | Weather. 1h.—7h. 4th (40) |
|---|---|---|---|---|---|
| 1 | London (Kew) | bcy | bcyz₀ | bcy | bcx |
| | Croydon ... | cbcy | bcy | bcz₀b | bwxbcm₀ |
| | S. Farnborough | bbccvy | cbcby | bybx | bxb |
| | Boscombe Down | b,cbc | bcyby | bc | c |
| | Calshot (Sthmtn.) | bbcyq | bcyq | byb | bbwm₀ |
| | Lympne ... | bcy | bcy | bcbyb | bbx |
| | Manston ... | bccbq | bcbqy | byb | bbcx |
| 2 | Shoeburyness ... | b,cbccy | bcbcyjp | bcybx | bbcxz₀ |
| | Felixstowe ... | bcvy | bcvy | bvyb | bxbc |
| | Gorleston ... | bccp₀g | bcq | bcqb | bcpr₀c |
| | Mildenhall ... | bccvy | cqyjpvpr | bcpr₀b | bx,c |
| | Cranwell ... | bbccy | bcy | bcyc | cxm₀ |
| 3 | Birmingham ... | bc | bcb | b | bbc |
| | Upper Heyford | cbcy | bcyby | bbc | bcc |
| 4 | Ross-on-Wye | bbcy | bcybvy | b | bx |
| 5 | Bristol ... | bcpr₀q | bcqy | bcbm₀ | bm₀x |
| | Portland Bill ... | bcc | cbc | bcbc | bcc |
| | Plymouth ... | bbcy | bcy | bcyb | b |
| | The Lizard ... | bc | bc | bcb | b |
| | Scilly (St. Mary's) | bccbc | bc | bc | bcbbcx |
| | Guernsey ... | bcb | b | b | b |
| 6 | Pembroke ... | bqbcy | bcqvy | b | bwbcx |
| 7 | Holyhead ... | bcby | by | b | bbc |
| | Chester (Sealand) | cbcby | bcby | b | bz₀w |
| 8 | Manchester ... | bcy | bcy | bc | bcm₀x |
| 10 | Spurn Head ... | cq | cbcq | bcb | bbcz₀ |
| | Catterick ... | bbcy | ybc | ybc | bc |
| | Tynemouth ... | bccqbc | bcpq | bcpqbc | bc |
| 11 | St. Abbs Head . | bcq | bcq | by | bbccq |
| | Leuchars ... | yqpr₀bcy | bcqh,by | bybx | bxc |
| 12 | Renfrew (Abbotsl.) | bbc | bcby | b | bccpr₀ |
| | Eskdalemuir ... | bybcy | bcyvpr₀ | bcyb | bbcc |
| | Point of Ayre... | bc | bc | bcbb | bbcc |
| 13A | Tiree ... ... | qbc | bc | bcc | cpr |
| 13B | Stornoway ... | c | c | cbcphrq | bccr₀r₀ |
| 15 | Dalwhinnie ... | cSs | cbc | * | bccir₀ |
| | Aberdeen ... | PHqps₀ | qprhb | bbcb | bccpr₀ |
| | Wick ... | phrsq | c | cphr | cpr |
| 16 | Lerwick ... | cphq | cphq | cprbc | bccph |
| 17 | Blacksod Point | bcq | bc | bc | prc |
| 18 | Malin Head ... | cbcp₀ | bc | bcpr₀bc | bcpr₀y |
| | Aldergrove ... | bcphqbc | bc | bcbx | bxbc |
| 19 | Birr Castle ... | bccpr₀ | cbc | bcb | bbc |
| 20 | Valentia Obsy. † | bcy | bcy | bcyb | bxbx |
| | Roches Point | bcv | bcv | bcv | bcwc |

## EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

### COLUMNS 5, 19, 37, 38, 39, 40—BEAUFORT NOTATION AND SYMBOLS FOR WEATHER.

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog „ less than 220 yds.
fs, low fog over sea (coast station).
fg, low fog over land (inland station).
m, mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jf, fog at a distance, but not at station.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/s₀, slight storm of drifting snow (generally low).
k/S, heavy storm of drifting snow (generally low).
s₀/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze: the turbid atmosphere of dry weather.
h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus R, heavy rain. r₀, slight rain. rr, continuous rain.
<, less than (for cloud height).
⊕, Solar halo. ☽ lunar halo. ⁄⁄ gale.
With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions thus:—bc/r, fair weather after rain; —, has decreased; +, has increased.

### COLUMNS 9, 23.—FORM OF LOW CLOUD.

0 No low clouds.
1 Fair weather Cu.
2 Large Cu without anvil.
3 Cb.
4 Sc formed by the spreading out of Cu.
5 Layer of St or Sc.
6 Ragged low clouds of bad weather (or fractonimbus).
7 Fair weather Cu. and Sc.
8 Large-Cu (or Cb) and Sc.
9 Large-Cu (or Cb) and ragged low clouds of bad weather.

### COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4–6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries.
"tr" signifies a small amount of cloud (trace) covering less than 1/20 of the sky.
"9+" signifies an overcast sky with a few small openings.

### COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

0 No medium clouds.
1 Typical As (thin).
2 Typical As (thick) (sun or moon invisible), or Nimbostratus (Ns).
3 Single layer of Ac or high Sc.
4 Ac in isolated patches. Individually decreasing (often lenticular).
5 Ac in bands (increasing).
6 Ac formed from the spreading out of Cu.
7 Ac associated with As or As with parts resembling Ac.
8 Ac Castellatus (or Ac in ragged fragments).
9 Ac in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

### COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

0 No cirriform cloud.
1 Fine Ci not increasing: sparse.
2 Fine Ci not increasing: abundant but not a continuous layer.
3 Anvil Ci (usually dense).
4 Fine Ci increasing: usually in tufts.
5 Ci or Cs increasing: still below 45° altitude: often in polar bands.
6 Ci or Cs increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Cs covering whole sky.
8 Cs not increasing and not covering whole sky.
9 Cc predominating, and a little cirrus.
(Cc may occur with any of the types 1 to 8).

Cloud form abbreviations:—
Cirrus,–Ci: Cirrocumulus,–Cc: Cirrostratus,–Cs: Altocumulus,–Ac: Altostratus,–As
Stratocumulus,–Sc: Stratus,–St: Nimbostratus,–Ns: Cumulus,–Cu: Cumulonimbus,–Cb

### COLUMN 29.—STATE OF GROUND.

0 .. Ground dry.
1 .. „ wet.
2 .. „ flooded.
3 .. „ frozen hard and dry.
4 .. „ partly covered with snow or hail.
5 .. „ covered with ice or glazed frost.
6 .. Ground covered with thawing snow.
7 .. „ covered with snow, less than 6 ins., deep but ground not frozen.
8 .. „ covered with snow, less than 6 ins., but ground frozen.
9 .. „ covered with snow greater than 6 ins. deep.

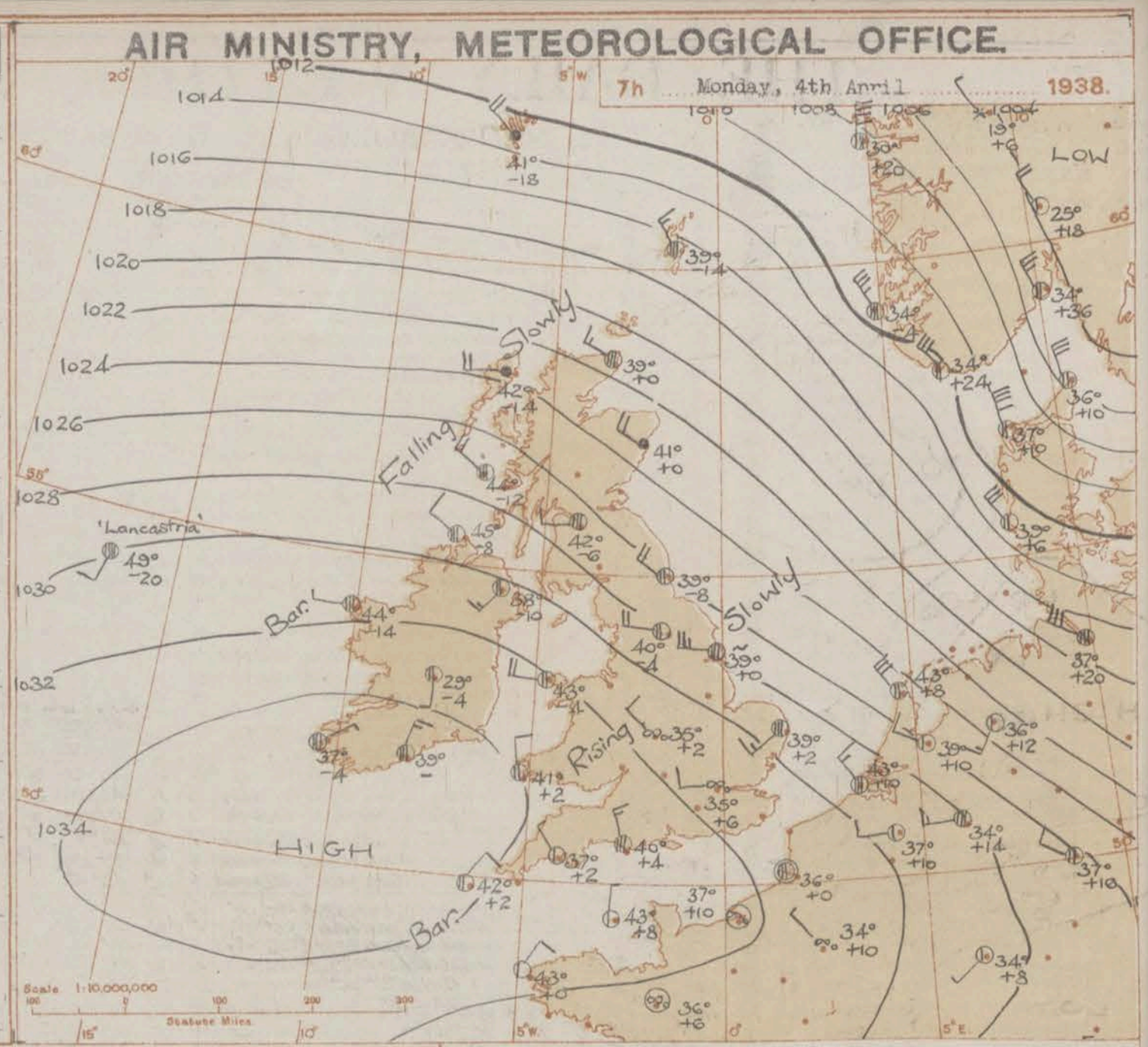
NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

† Sea disturbance reported from Dungeness.

## REPORTS from HEALTH RESORTS for 3rd April 1938.

| Districts. | Stations. | Weather. Forenoon. | Weather. Afternoon. | Temperature (°F.) Min. 9h. 2nd to 9h. 3rd | Temperature (°F.) Max. 9h.—17h. 3rd | Rainfall (mm.) Night. 17h. 2nd to 9h. 3rd | Rainfall (mm.) Day. 9h.—17h. 3rd | Sunshine (Hrs.) Sunrise to 17h. 3rd | Sunshine (Hrs.) Sunrise to Sunset. 2nd |
|---|---|---|---|---|---|---|---|---|---|
| 1 | Tunbridge W. | bcb | bcb | 40 | 52 | 1 | - | 9.5 | 7.9 |
| | Bournemouth | b | b | 41 | 58 | - | - | 9.2 | 2.8 |
| | Ventnor ... | b | bcb | 41 | 55 | - | - | 10.6 | 3.9 |
| | Southsea ... | b | b | 42 | 58 | 0.4 | - | 10.0 | 4.8 |
| | Bognor Regis | bbc | bcb | 41 | 55 | 0.5 | - | 10.3 | 4.9 |
| | Littlehampton | bc | bc | 42 | 56 | 0.2 | - | 10.5 | 5.1 |
| | Worthing ... | b | bbcb | 42 | 54 | 0.3 | - | 10.5 | 5.2 |
| | Brighton ... | bc | b | 42 | 55 | - | - | 10.0 | 3.7 |
| | Eastbourne† ... | bybcy | bcy | 43 | 56 | 1 | - | 10.5 | 6.2 |
| | Hastings† ... | bbc | bcb | 41 | 54 | 2 | - | 10.3 | 5.3 |
| | Folkestone ... | bbcb | bcb | 41 | 53 | 2 | - | 10.6 | 7.3 |
| | Dover ... | ybc | bcby | 42 | 53 | 2 | - | 10.9 | 7.6 |
| | Deal ... ... | cb | b | 42 | *56 | 1 | - | 9.8 | 8.3 |
| | Ramsgate ... | bc | bc | 45 | 53 | - | - | 11.0 | 7.7 |
| | Margate ... | bc | bcb | 43 | 50 | 1 | - | 10.9 | 8.0 |
| 2 | Southend ... | cbcb | b | 41 | 53 | 2 | - | 9.3 | 5.1 |
| | Clacton-on-Sea | bc | bc | 40 | 52 | - | - | 10.6 | 6.1 |
| | Dovercourt ... | rocbc | bcv | 40 | 51 | 1 | - | 10.1 | 7.0 |
| | Lowestoft ... | b | bcprb | 38 | 50 | 0.5 | Trace | 9.1 | 4.9 |
| | Skegness ... | bqbc | bq | 38 | 50 | 0.3 | - | 9.1 | 0.4 |
| | Mablethorpe... | bybc | by | 38 | 50 | Trace | - | 9.5 | 0.3 |
| | Cleethorpes ... | bcc | bc | 38 | 50 | Trace | - | 9.7 | 1.5 |
| 3 | Leamington S. | bc | bc | 39 | 51 | 1 | - | 9.8 | * |
| 4 | Cheltenham† | cbcb | b | 38 | 53 | 0.5 | - | 9.4 | 0.7 |
| 5 | Bath ... ... | bcb | b | 41 | 55 | 2 | - | 10.3 | 0.0 |
| | Weymouth ... | b | bc | 41 | 56 | 0.2 | - | 8.6 | 3.0 |
| | Jersey ... | pcbc | bcb | 45 | 53 | 1 | - | 10.6 | 0.1 |
| | Torquay ... | wbqvy | bbvy | 43 | 54 | - | - | 10.6 | 1.4 |
| | Falmouth | b | b | 44 | 52 | 0.6 | - | * | 0.4 |
| | Penzance ... | bcb | b | 44 | 53 | 1 | - | 10.1 | 1.2 |
| | St. Ives ... | b | b | 42 | 59 | - | - | 9.3 | 0.8 |
| | Bude... ... | bc | bc | 45 | 50 | 1 | - | 10.0 | 0.0 |
| | Ilfracombe ... | rocbc | bcbbc | 47 | 53 | 2 | - | 9.4 | 0.2 |
| 6 | Aberystwyth | cbc | bc | 43 | 50 | 2 | - | 9.5 | 0.0 |
| 7 | Llandudno ... | b | b | 42 | 49 | 3 | - | 9.6 | 1.3 |
| | Colwyn Bay... | bcb | bcb | 42 | 48 | 3 | - | 9.2 | 2.9 |
| | Rhyl ... ... | bcb | b | 42 | 48 | 2 | - | 9.5 | 3.2 |
| 8 | Wallasey ... | b | b | 40 | 49 | - | - | 9.4 | 1.4 |
| | Southport ... | bbc | b | 38 | 51 | 3 | - | 10.4 | 0.6 |
| | Blackpool ... | b | b | 37 | 49 | 3 | - | 10.7 | 0.1 |
| | Morecambe ... | b | bbc | 39 | 50 | 2 | - | 11.4 | 0.0 |
| 9 | Ilkley... ... | b | b | 35 | 51 | 5 | - | 9.7 | 0.0 |
| | Harrogate ... | bbcq | bbcc | 35 | 49 | 0.6 | - | 10.0 | 0.3 |
| 10 | Berwick-on-T. | czbc | bc | 37 | 45 | 0.1 | 0.2 | 7.3 | 4.3 |
| 11 | Dunbar ... | cm. | cph | 36 | 45 | - | Trace | 6.5 | 4.4 |
| 12 | Troon... ... | | | | | | | | |
| | Douglas ... | cprbq | bq | 37 | 47 | 3 | - | 10.6 | 0.0 |

† Max. Temp. for period 21h. yesterday to 17h. to-day: Min. Temp. 21h.–9h.




BAROMETER. Isobars are drawn for intervals of two millibars.
WIND, WEATHER SYMBOLS. For explanation see opposite page.
SEA DISTURBANCE Rough. High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

| Districts. | FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 4th April, 1938. |
|---|---|
| 1 S.E. England<br>2 E. England ...<br>3 E. Midlands ...<br>4 W. Midlands ...<br>5 S.W. England<br>6 South Wales ...<br>7 North Wales ...<br>8 N.W. England<br>9 N. Midlands ... | Light northwest winds. fair; average day temperature. Ground frost at night. |
| 10 N.E. England<br>11 S.E. Scotland<br>12 S.W. Scotland & Isle of Man.<br>13 A. W. Scotld. B.N.W.Scotland.<br>14 Mid Scotland<br>15 N. E. Scotland<br>16 Orkney and Shetland | Fresh or strong west to northwest winds; occasional rain; sleet on high ground. Rather cold. |
| 17 N. W. Ireland<br>18 N. E. Ireland<br>19 S. E. Ireland<br>20 S. W. Ireland | As 0 - 9. |

### GENERAL INFERENCE

An anticyclone is centred over Southern Ireland, and disturbances near Iceland and the Faeroes will move southeast. Weather will remain fair in the south with average day temperatures, but frost locally at night. In Scotland there will be some rain or sleet on high ground.

### FURTHER OUTLOOK.

Fair in the south, unsettled in Scotland.

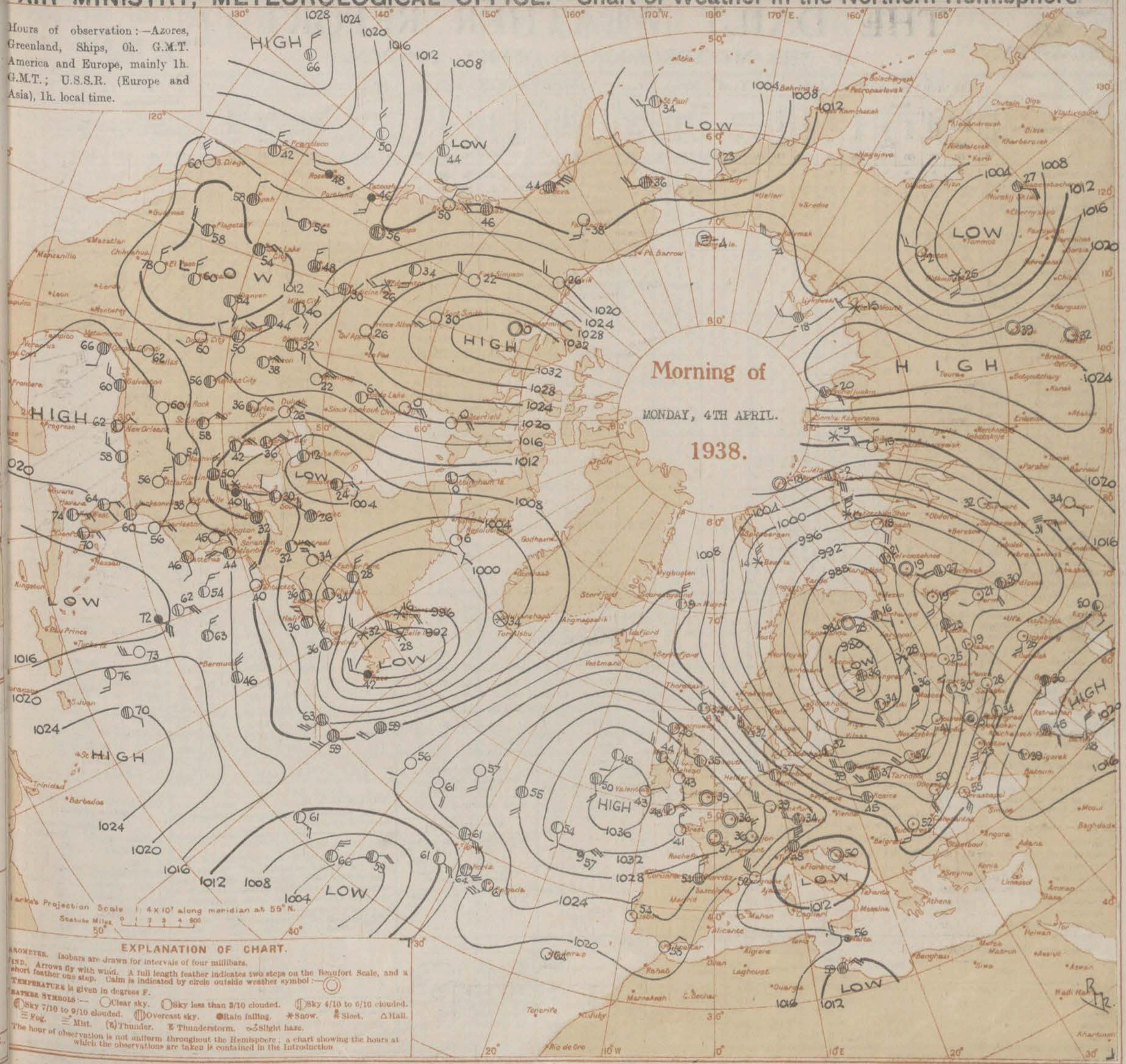
Forecasts issued at 10.30 G.M.T.

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S., Director.

H.M. Stationery Office Press, Kingsway, W.C.2

# AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere

Hours of observation:—Azores, Greenland, Ships, 0h. G.M.T. America and Europe, mainly 1h. G.M.T.; U.S.S.R. (Europe and Asia), 1h. local time.




## EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. Calm is indicated by circle outside weather symbol :—

TEMPERATURE is given in degrees F.

WEATHER SYMBOLS :— Clear sky. Sky less than 3/10 clouded. Sky 4/10 to 6/10 clouded. Sky 7/10 to 9/10 clouded. Overcast sky. Rain falling. Snow. Sleet. Hail. Fog. Mist. Thunder. Thunderstorm. Slight haze.

The hour of observation is not uniform throughout the Hemisphere; a chart showing the hours at which the observations are taken is contained in the Introduction.

AIR MINISTRY.

# THE DAILY WEATHER REPORT

## OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Monday, 4th April, 1938.
No. 27892.

### OBSERVATIONS at 1 hr. G.M.T. 4th April

| District | Stations | Height above M.S.L. in feet | Barom. at M.S.L. mb. (1) | Change in 3 hours. (2) | Wind. Direc. (3) | Wind. Force 0–12 (4) | Weather. (5) | Temp. °F. (6) | Humid. % (7) | Visibility. 0–9 (8) | Cloud. Form. Low (9) | Form. Med. (10) | Form. High (11) | Amount. Low 0–10 (12) | Amount. Total 0–10 (13) | Height of Base. (feet) (14) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | London (Kew) | 18 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Croydon ... | 217 | 1031·1 | +10 | - | 0 | b | 39 | 75 | 8 | - | - | 1 | 0 | Tr | - |
| | S. Farnborough | 226 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Boscombe Down | 417 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Calshot (Sthmtn.) | 8 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Lympne ... | 346 | 1030·8 | +18 | N'W | 3 | b | 38 | 65 | 8 | 5 | - | - | Tr. | Tr. | 4000 |
| | Manston ... | 142 | 1030·4 | +14 | N'W | 4 | b | 41 | 75 | 8 | - | - | - | 0 | 0 | *- |
| 2 | Shoeburyness... | 11 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Felixstowe ... | 15 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Gorleston ... | 5 | 1029·3 | +18 | W'S | 2 | bc | 40 | 75 | 6 | 5 | - | - | 2-3 | 2-3 | 2500 |
| | Mildenhall ... | 19 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Cranwell ... | 240 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 3 | Birmingham ... | 535 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Upper Hayford | 408 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 4 | Ross-on-Wye | 223 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 5 | Bristol ... | 209 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Portland Bill ... | 32 | 1031·8 | +6 | NNW | 2 | bc | 40 | 75 | 8 | 4 | - | - | 2-3 | 2-3 | 2500 |
| | Plymouth ... | 82 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | The Lizard ... | 240 | 1033·9 | +4 | N | 4 | b | 40 | 65 | 8 | - | - | - | 0 | 0 | - |
| | Scilly (St. Mary's) | 163 | 1034·5 | +6 | NE'E | 3 | bc | 48 | 97 | 8 | 2 | - | - | 2-3 | 2-3 | 2500 |
| | Guernsey .. | 175 | 1031·9 | +6 | NNE | 2 | b | 45 | 65 | 8 | - | - | - | 0 | 0 | - |
| 6 | Pembroke ... | 142 | 1033·6 | +20 | N'E | 3 | b | 40 | 75 | 8 | - | - | - | 0 | 0 | - |
| 7 | Holyhead ... | 26 | 1032·8 | +14 | N'W | 3 | b | 43 | 65 | 8 | 5 | - | - | Tr | Tr | 2500 |
| | Chester (Sealand) | 16 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 8 | Manchester ... | 70 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 10 | Spurn Head ... | 29 | 1028·8 | +10 | WNW | 5 | b | 39 | 85 | 7 | - | - | - | 0 | 0 | - |
| | Catterick | 175 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Tynemouth ... | 108 | 1028·4 | -8 | WNW | 5 | bc | 35 | 65 | 6 | 2 | - | - | 2-3 | 2-3 | 1500 |
| 11 | St. Abbs Head . | 280 | 1027·3 | -12 | W | 6 | bc | 40 | 55 | 7 | - | •6 | - | 0 | 2-3 | - |
| | Leuchars ... | 36 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 12 | Renfrew (Abbots I.) | 19 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Eskdalemuir ... | 794 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Point of Ayre... | 30 | 1031·5 | +2 | N | 4 | b | 43 | 75 | 8 | 4 | - | - | 1 | 1 | 2500 |
| 13A | Tiree ... ... | 22 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 13B | Stornoway ... | 80 | 1025·9 | -6 | WNW | 3 | bc | 40 | 92 | 8 | 5 | - | - | 2-3 | 2-3 | 2500 |
| 15 | Dalwhinnie ... | 1176 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Aberdeen ... | 79 | * | | * | * | * | * | * | * | * | * | * | * | * | * |
| | Wick ... | 81 | 1021·8 | -10 | WNW | 3 | c/pr | 39 | 92 | 8 | 8 | 7 | - | 4-6 | 7-8 | 1500 |
| 16 | Lerwick ... | 156 | 1018·1 | -4 | NNW | 4 | bc | 34 | 92 | 8 | 8 | - | - | 4-6 | 4-6 | 1500 |
| 17 | Blacksod Point | 18 | 1034·3 | -6 | SW | 1 | b | 40 | 85 | 8 | 2 | - | - | 1 | 1 | 5700 |
| 18 | Malin Head ... | 84 | 1032·2 | -12 | NW | 3 | bc | 44 | 75 | 8 | 4 | 5 | - | 2-3 | 4-6 | 4000 |
| | Aldergrove ... | 268 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 19 | Birr Castle ... | 173 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 20 | Valentia Obsy. † | 30 | 1035·6 | -6 | ENE | 1 | b | 43 | 97 | 8 | 5 | - | - | 1 | 1 | 1500 |
| | Roches Point | 22 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |

### OBSERVATIONS at 7 hr. G.M.T. 4th April

| District | Stations | Barom. at M.S.L. mb. (15) | Change in 3 hours. (16) | Wind. Direc. (17) | Wind. Force 0–12 (18) | Weather. (19) | Temp. °F. (20) | Humid. % (21) | Visibility 0–9 (22) | Cloud. Form. Low. (23) | Form. Med. (24) | Form. High (25) | Amount. Low 0–10 (26) | Amount. Total 0–10 (27) | Height of Base (feet) (28) | State of Ground. 0–9 (29) | Sea. 0–9 (30) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | London (Kew) | 1032·2 | +10 | W | 2 | $Z_o$ | 36 | 85 | 5 | - | - | 1 | 0 | 4-6 | - | 1 | * |
| | Croydon ... | 1031·7 | +6 | W | 2 | $Z_o$ | 35 | 85 | 6 | - | - | 4 | 0 | 4-6 | - | 0 | * |
| | S. Farnborough | 1032·2 | +6 | W'N | 2 | bc | 33 | 85 | 7 | - | - | 1 | 0 | 2-3 | - | 0 | * |
| | Boscombe Down | 1033·0 | +8 | WNW | 2 | c | 34 | 85 | 7 | - | 3 | 1 | Tr | 7-8 | - | 0 | * |
| | Calshot (Sthmtn.) | 1032·5 | +10 | NW | 3 | $Z_o$ | 36 | 85 | 6 | 1 | - | 6 | Tr | 7-8 | 4000 | 1 | $1 |
| | Lympne ... | 1031·7 | +6 | NW'W | 3 | bc | 35 | 75 | 7 | - | - | 5 | 0 | 2-3 | - | 0 | $1 |
| | Manston ... | 1030·8 | +4 | WNW | 2 | bc | 37 | 85 | 8 | - | - | 6 | 0 | 4-6 | - | 0 | * |
| 2 | Shoeburyness... | 1031·1 | +4 | W'N | 2 | bc | 37 | 75 | 6 | - | - | 2 | 0 | 2-3 | - | 3 | * |
| | Felixstowe ... | 1030·0 | +4 | WNW | 2 | bc | 37 | 75 | 7 | - | - | 6 | 0 | 4-6 | - | 0 | 2 |
| | Gorleston ... | 1029·4 | +2 | WSW | 3 | c | 39 | 75 | 6 | - | - | 6 | 0 | 7-8 | - | 0 | 2 |
| | Mildenhall ... | 1030·4 | +4 | WSW | 2 | $Z_o$ | 32 | 97 | 5 | - | - | 6 | 0 | 7-8 | - | 1 | * |
| | Cranwell ... | 1030·3 | 0 | W'S | 4 | $Z_o$ | 33 | 85 | 5 | - | 4 | 6 | 0 | 9+ | - | 0 | * |
| 3 | Birmingham ... | 1031·2 | +2 | WNW | 2 | $Z_o$ | 35 | 85 | 5 | - | - | 8 | 0 | 2-3 | - | 1 | * |
| | Upper Hayford | 1032·2 | +6 | NW'W | 3 | c | 35 | 85 | 8 | - | - | 8 | 0 | 9 | - | 0 | * |
| 4 | Ross-on-Wye | 1032·6 | 0 | S'W | 1 | bc | 34 | 75 | 8 | - | - | 1 | 0 | 1 | - | 0 | * |
| 5 | Bristol ... | 1033·1 | 0 | - | 0 | bc | 32 | 85 | 7 | - | - | 8 | 0 | 2-3 | - | 0 | * |
| | Portland Bill ... | 1032·1 | +4 | NNW | 3 | bc | 40 | 75 | 8 | 4 | - | - | 4-6 | 7-8 | 2500 | 1 | 2 |
| | Plymouth ... | 1033·9 | +2 | NW | 1 | b | 37 | 85 | 8 | - | 4 | - | 0 | Tr | - | 0 | 1 |
| | The Lizard ... | 1033·9 | +2 | NE'N | 2 | b | 41 | 65 | 8 | 5 | - | - | Tr | Tr | 2500 | 0 | 1 |
| | Scilly (St. Mary's) | 1034·0 | +2 | NE'E | 2 | bc | 42 | 75 | 8 | 1 | 4 | 5 | Tr | 2-3 | 4000 | 0 | 1 |
| | Guernsey .. | 1032·2 | +8 | N | 1 | b | 43 | 75 | 7 | - | - | - | 0 | 0 | - | 0 | 1 |
| 6 | Pembroke ... | 1034·0 | +2 | N'W | 2 | bc | 41 | 75 | 8 | - | 7 | 1 | 0 | 4-6 | - | 1 | 2 |
| 7 | Holyhead ... | 1032·0 | -4 | W'N | 4 | bc | 43 | 75 | 8 | 1 | - | 9 | Tr | 4-6 | 2500 | 1 | 2 |
| | Chester (Sealand) | 1031·8 | +2 | WSW | 2 | $Z_o$ | 39 | 75 | 6 | 5 | 4 | - | 1 | 2-3 | 2500 | 1 | * |
| 8 | Manchester ... | 1031·0 | 0 | SSW | 1 | $Z_o$ | 35 | 85 | 5 | - | 4 | 2 | 0 | 4-6 | - | 1 | * |
| 10 | Spurn Head ... | 1028·5 | 0 | W'N | 5 | c | 39 | 75 | 6 | 5 | - | 6 | 4-6 | 10 | 1500 | 0 | 4 |
| | Catterick | 1027·5 | -4 | W'N | 4 | bc | 40 | 65 | 8 | - | 4 | 2 | 0 | 4-6 | - | 0 | * |
| | Tynemouth ... | 1029·7 | -8 | WNW | 4 | bc | 39 | 75 | 6 | 8 | - | 1 | 4-6 | 4-6 | 1500 | 0 | 2 |
| 11 | St. Abbs Head . | 1023·7 | -4 | W | 6 | q | 42 | 85 | 7 | 4 | 2 | - | 4-6 | 10 | 2500 | 0 | 4 |
| | Leuchars ... | 1024·6 | -4 | WSW | 4 | c | 40 | 85 | 9 | 5 | 7 | - | Tr | 10 | 1500 | 0 | * |
| 12 | Renfrew (Abbots I.) | 1027·3 | -6 | W | 2 | c | 42 | 92 | 8 | 5 | 4 | 8 | 7-8 | 9+ | 2500 | 0 | * |
| | Eskdalemuir ... | 1028·2 | -2 | SW | 2 | 0 | 38 | 85 | 8 | 5 | - | - | 10 | 10 | 1500 | 1 | * |
| | Point of Ayre... | 1030·3 | -4 | NW'W | 5 | c | 44 | 85 | 8 | 5 | 7 | 8 | 1 | 9 | 2500 | 0 | 3 |
| 13A | Tiree ... ... | 1027·1 | -12 | WNW | 4 | c/pr | 44 | 85 | 8 | 8 | 7 | - | 7-8 | 9 | 1500 | 1 | 3 |
| 13B | Stornoway ... | 1024·0 | -14 | W | 4 | $r_o r_o$ | 42 | 92 | 7 | 5 | 7 | - | 7-8 | 10 | 2500 | 1 | 2 |
| 15 | Dalwhinnie ... | 1026·0 | -8 | WSW | 4 | c | 37 | 85 | 7 | 4 | 6 | 7 | 2-3 | 9+ | 2500 | 0 | * |
| | Aberdeen ... | 1023·2 | 0 | WNW | 4 | pr | 41 | 75 | 7 | 9 | - | 6 | 4-6 | 9 | 1500 | 1 | 2 |
| | Wick ... | 1021·5 | 0 | WNW | 3 | c/pr | 39 | 92 | 8 | 8 | 7 | - | 4-6 | 7-8 | 1500 | 1 | 2 |
| 16 | Lerwick ... | 1016·6 | -14 | NW | 3 | c | 39 | 85 | 8 | 8 | 7 | - | 4-6 | 7-8 | 1500 | 1 | * |
| 17 | Blacksod Point | 1031·6 | -14 | W | 1 | 0 | 44 | 85 | 8 | 5 | - | - | 10 | 10 | 2500 | 1 | 3 |
| 18 | Malin Head ... | 1029·4 | -8 | WNW | 2 | c | 45 | 75 | 8 | 2 | 2 | - | 4-6 | 7-8 | 2500 | 0 | 3 |
| | Aldergrove ... | 1030·8 | -10 | SW'W | 3 | bc | 38 | 85 | 7 | 5 | - | - | 4-6 | 4-6 | 4000 | 1 | * |
| 19 | Birr Castle ... | 1033·9 | -4 | S | 1 | bc | 29 | 97 | 8 | 5 | - | - | 4-6 | 4-6 | 2500 | 1 | * |
| 20 | Valentia Obsy. † | 1034·5 | -4 | ENE | 1 | c | 37 | 92 | 8 | 5 | 1 | - | 2-3 | 10 | 2500 | 1 | 2 |
| | Roches Point | 1034·4 | * | N'E | 3 | c | 39 | 85 | 8 | - | - | 7 | 0 | 9+ | - | 0 | 2 |

### PAST 24 HOURS.

| District | Stations | Temperature. Max. Day 7h–18h °F. (31) | Min. Night 18h–7h °F (32) | Min. on Grass °F. (33) | Rainfall. Day 7h–18h mm. (34) | Night 18h–7h mm. (35) | Sunshine Hrs. (36) |
|---|---|---|---|---|---|---|---|
| 1 | London (Kew) | 52 | 34 | 20 | - | - | 10·9 |
| | Croydon ... | 52 | 31 | 27 | - | - | 8·9 |
| | S. Farnborough | 53 | 28 | 17 | - | Tr. | 10·2 |
| | Boscombe Down | 51 | 30 | 25 | - | - | 10·9 |
| | Calshot (Sthmtn.) | 52 | 34 | 31 | - | - | 11·0 |
| | Lympne ... | 51 | 33 | 25 | - | - | 11·1 |
| | Manston ... | 51 | 33 | 25 | - | - | 10·9 |
| 2 | Shoeburyness... | 54 | 31 | 22 | - | - | 10·0 |
| | Felixstowe ... | 52 | 35 | 30 | - | - | 11·4 |
| | Gorleston ... | 49 | 33 | 32 | Tr | Tr. | 8·7 |
| | Mildenhall ... | 54 | 28 | 22 | Tr | Tr | 9·1 |
| | Cranwell ... | 52 | 32 | 27 | - | - | 10·2 |
| 3 | Birmingham ... | 49 | 35 | 30 | - | - | 10·1 |
| | Upper Hayford | 50 | 32 | 26 | - | - | * |
| 4 | Ross-on-Wye | 51 | 33 | 23 | - | - | 10·9 |
| 5 | Bristol ... | 54 | 32 | 22 | Tr | - | 10·6 |
| | Portland Bill ... | 52 | 36 | * | - | - | * |
| | Plymouth ... | 51 | 37 | 27 | - | - | 10·7 |
| | The Lizard ... | 52 | 38 | * | - | - | 11·2 |
| | Scilly (St. Mary's) | 51 | 39 | * | - | - | 11·6 |
| | Guernsey .. | 52 | 41 | 53 | - | - | 11·9 |
| 6 | Pembroke ... | 51 | 37 | * | - | - | 11·1 |
| 7 | Holyhead ... | 47 | 43 | 37 | - | - | 10·8 |
| | Chester (Sealand) | 49 | 37 | 28 | - | - | 10·7 |
| 8 | Manchester ... | 50 | 29 | 22 | - | - | 10·9 |
| 10 | Spurn Head ... | 49 | 37 | * | - | - | 9·5 |
| | Catterick | 49 | 31 | 25 | - | - | 9·4 |
| | Tynemouth ... | 46 | 34 | 25 | 0·1 | 0·3 | 9·8 |
| 11 | St. Abbs Head . | 45 | 31 | * | Tr | - | * |
| | Leuchars ... | 47 | 33 | 23 | Tr. | - | 9·1 |
| 12 | Renfrew (Abbots I.) | 50 | 35 | 31 | - | 0·2 | 11·6 |
| | Eskdalemuir ... | 48 | 30 | 24 | Tr | - | 10·2 |
| | Point of Ayre... | 48 | 42 | * | - | - | 11·5 |
| 13A | Tiree ... ... | 46 | 41 | * | - | 0·2 | 1·1 |
| 13B | Stornoway ... | 43 | 38 | * | - | 1 | 5·3 |
| 15 | Dalwhinnie ... | 38 | 30 | 24 | 3 | Tr | 3·5 |
| | Aberdeen ... | 46 | 36 | 32 | 3 | Tr | 5·8 |
| | Wick ... | 43 | 35 | * | 1 | 2 | * |
| 16 | Lerwick ... | 43 | 32 | * | 0·4 | 1 | 7·2 |
| 17 | Blacksod Point | 50 | 37 | * | - | 1 | * |
| 18 | Malin Head ... | 46 | 39 | * | 0·6 | Tr. | 9·1 |
| | Aldergrove ... | 47 | 32 | 2·6 | 1 | - | 9·5 |
| 19 | Birr Castle ... | 52 | 28 | * | Tr | - | 10·6 |
| 20 | Valentia Obsy. † | 53 | 34 | 29 | - | Tr. | 10·7 |
| | Roches Point | 55 | 36 | * | - | Tr. | * |

### LONDON OBSERVATIONS

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations except for rainfall which is 9h—18h.

| | Height above M.S.L. in feet. | Weather Morning. (24 hrs. ended 9h.) | Afternoon. | Night. | Temperature. Day Max. °F. | Night Min. °F. | Min. on Grass °F. | Rainfall. Day. mm. | Night. mm. | Sunshine to Sunset hrs. (Yesterday.) | Humidity. 15h. G.M.T. % (Yesterday.) | 9h. G.M.T. % (To-day.) | Visibility 9h. (To-day.) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kew ... | 18 | bcy | bcyzo | bcybcx | 52 | 34 | 20 | - | - | 10.9 | * | * | 6 |
| Croydon ... | 217 | cbcy | bcy | bcxbcxbcx | 52 | 31 | 27 | - | - | 8.2 | * | * | 6 |
| Greenwich (Royal Observatory) ... | 149 | cbcy | cby | bcbx | 53 | 32 | 19 | - | - | 9.0 | 31 | 62 | 5 |
| City (Bunhill Row) ... | — | * | * | * | * | * | * | * | * | *9.1 | * | * | * |
| Westminster (St. James' Park) ... | 27 | * | * | * | 54 | 35 | 28 | — | | *9.6 | 37 | 65 | * |
| Regents Pk. (Botanic Gardens)‡ ... | 168 | * | * | * | 53 | 34 | 26 | - | - | *9.2 | 53 | 75 | * |
| Camden Square ... | 110 | cbc | b | * | 53 | 35 | 23 | - | - | * | * | 60 | * |
| Kensington ... | 80 | bc | bcx | * | 54 | 35 | 25 | - | - | 10.0 | At 18h. 37 | 56 | * |
| Hampstead Observatory ... | 450 | bc | bc | bc | 53 | 33 | 24 | - | - | *10.3 | * | 61 | * |

**Atmospheric Pollution.** Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. 4th

| South Kensington. Max. | Time. | Min. | Time. |
|---|---|---|---|
| 0.3 | 21h 3rd | 40.3 | 3-5h 4th |

| Kew Observatory. Max. | Time. | Min. | Time. |
|---|---|---|---|
| 0.2 | 20h 3rd | 40.1 | 14h 3rd |

### FOREIGN OBSERVATIONS.

| Stations. | 18h G.M.T. 3rd March. Barom. mb. | Wind. Direc. | Wind. Force. | Weather. | Temp. °F. | 7h. G.M.T. 4th March. Barom. mb. | Wind. Direc. | Wind. Force. | Weather. | Temp. °F. | Past 24 Hours. Max. Day °F. | Min. Night °F. | Rainfall. Day mm. | Rainfall. Night mm. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Paris ... | 1024.5 | NW | 4 | b | 48 | 1031.9 | WNW | 1 | $Z_o$ | 34 | 54 | 30 | Tr | - |
| Brussels ... | 1022.7 | NNW | 6 | c | 45 | 1029.5 | W | 2 | b | 37 | 48 | 30 | Tr | 0.1 |
| Berlin ... | 1000.1 | W | 5 | c | 34 | 1014.2 | WNW | 5 | bc | 37 | 48 | 34 | 3 | 2 |
| Zurich ... | 1019.6 | W | 3 | $r_o$ | 39 | 1027.1 | WNW | 1 | bc | 36 | 68 | 34 | 0.5 | 0.5 |
| Rome ... | 1015.5 | SSW | 5 | o | 57 | 1011.3 | SE | 5 | c | 57 | * | * | - | 0.2 |

## EXPLANATION OF FIGURES, LETTERS, etc.

**COLUMNS 2, 16.**
The barometric tendency is expressed in tenths of a millibar.

**COLUMNS 4, 18.**
The Beaufort Scale of Wind is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers is the speed at about 30 feet above the ground.

| Beaufort No | Statute m/h. | Beaufort No. | Statute m/h. | Beaufort No. | Statute m/h. |
|---|---|---|---|---|---|
| 0 | <1 | 4 | 13–18 | 9 | 47–54 |
| 1 | 1–3 | 5 | 19–24 | 10 | 55–63 |
| 2 | 4–7 | 6 | 25–31 | 11 | 64–75 |
| 3 | 8–12 | 7 | 32–38 | 12 | > 75 |
| | | 8 | 39–46 | | |

**COLUMNS 34, 35.**
Tr. = rain has fallen, but amount less than 0·1 mm.

**COLUMNS 8, 22 — Code for surface visibility.**

| | | Objects not visible at |
|---|---|---|
| 0 | Dense fog | 55 yards. |
| 1 | Thick fog | 220 ,, |
| 2 | Fog | 550 ,, |
| 3 | Moderate fog | 1,100 ,, |
| 4 | Mist or haze | 1½ miles. |
| 5 | Poor visibility | 2½ ,, |
| 6 | Moderate ,, | 6½ ,, |
| 7 | Good ,, | 12½ ,, |
| 8 | Very good ,, | 31 ,, |
| 9 | Excellent ,, | beyond 31m. |

**COLUMN 30.—Code for State of Sea.**

| | | | |
|---|---|---|---|
| 0 | Calm. | 5 | Very rough |
| 1 | Smooth. | 6 | High. |
| 2 | Slight. | 7 | Very high |
| 3 | Moderate. | 8 | Precipitous. |
| 4 | Rough. | 9 | Confused. |

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METEOROLOGICAL OFFICE, AIR MINISTRY, ADASTRAL HOUSE, KINGSWAY, LONDON, W.C.2.

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S., Director.

† 1 hr. observations are from Valentia W/T Station. ‡ Maximum and Minimum Temperatures are for the 24 hours ending 8 h. ‖ Sea disturbance reported from Dungeness.

Page 1.

AIR MINISTRY.

# THE DAILY WEATHER REPORT

## OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Tuesday, 5th April, 1938.
No. 27893.

**OBSERVATIONS at 13h. G.M.T. 4th April**

| District | Stations (For heights see p. 4.) | Barom. at M.S.L. mb. (1) | Change in 3 hours (2) | Wind Direc. (3) | Wind Force 0-12 (4) | Weather (5) | Temp. °F. (6) | % Humid. (7) | Visibility 0-9 (8) | Cloud Form Low (9) | Cloud Form Med. (10) | Cloud Form High (11) | Cloud Amount Low 0-10 (12) | Cloud Amount Total 0-10 (13) | Height of Base (feet) (14) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | London (Kew) | 1030·2 | -8 | WNW | 2 | c | 50 | 35 | 8 | - | - | 6 | 0 | 9 | - |
| | Croydon ... | 1030·2 | -14 | W'S | 3 | c | 51 | 45 | 8 | - | - | 5 | 0 | 7-8 | - |
| | S. Farnborough | 1030·6 | -10 | NW | 2 | c | 52 | 35 | 8 | 1 | - | 6 | Tr | 7-8 | 4000 |
| | Boscombe Down | 1031·4 | -12 | NW | 3 | c | 48 | 25 | 8 | - | 1 | - | 0 | 9+ | - |
| | Calshot (Sthmtn.) | 1031·4 | -10 | NNW | 3 | c | 50 | 45 | 8 | 1 | - | 6 | Tr | 9+ | 4000 |
| | Lympne ... | 1030·3 | -14 | W'N | 3 | c | 51 | 45 | 7 | 2 | - | 6 | 4-6 | 7-8 | 4000 |
| | Manston ... | 1029·8 | -10 | NW | 3 | bc | 49 | 35 | 7 | 2 | - | 2 | 1 | 4-6 | 2500 |
| 2 | Shoeburyness ... | 1029·7 | -4 | NW'W | 3 | c | 52 | 35 | 7 | 1 | - | 6 | Tr | 7-8 | 4000 |
| | Felixstowe ... | 1029·3 | -6 | W'N | 3 | bc | 52 | 35 | 8 | - | - | 8 | 0 | 4-6 | - |
| | Gorleston ... | 1028·4 | -4 | WNW | 4 | bc | 51 | 35 | 6 | 2 | - | 6 | 4-6 | 4-6 | 2500 |
| | Mildenhall ... | 1028·9 | -8 | W'N | 3 | c | 53 | 45 | 8 | 1 | - | 1 | 4-6 | 7-8 | 4000 |
| | Cranwell ... | 1029·5 | -10 | W'N | 4 | zo | 49 | 55 | 6 | 8 | 1 | - | 4-6 | 10 | 4000 |
| 3 | Birmingham ... | 1030·3 | -6 | WNW | 3 | c | 48 | 35 | 8 | 7 | - | 7 | 2-3 | 10 | 4000 |
| | Upper Heyford | 1030·8 | -8 | WNW | 3 | c | 47 | 45 | 9 | 1 | 1 | - | Tr | 10 | 4000 |
| 4 | Ross-on-Wye | 1030·8 | -8 | W | 2 | c | 50 | 45 | 8 | 1 | - | 7 | 1 | 9+ | 4000 |
| 5 | Bristol ... | 1031·9 | -10 | WSW | 3 | c | 50 | 45 | 7 | 1 | - | 8 | Tr | 9 | 4000 |
| | Portland Bill ... | 1032·0 | -4 | W | 2 | bc | 48 | 55 | 8 | - | 4 | - | 0 | 4-6 | 2500 |
| | Plymouth ... | 1032·6 | -10 | SW'W | 3 | c | 50 | 75 | 9 | 1 | - | 7 | 2-3 | 10 | 4000 |
| | The Lizard ... | 1033·2 | -4 | S'W | 2 | c | 51 | 65 | 8 | 8 | 7 | - | 4-6 | 7-8 | 2500 |
| | Scilly (St. Mary's) | 1033·4 | -6 | W'S | 2 | c | 51 | 65 | 8 | 1 | 1 | - | 1 | 10 | 2500 |
| | Guernsey ... | 1032·5 | -2 | NW | 2 | c | 48 | 65 | 7 | 1 | 1 | - | 2-3 | 7-8 | 2500 |
| 6 | Pembroke ... | 1032·7 | -4 | W'S | 2 | c | 48 | 65 | 8 | 5 | 7 | 1 | 4-6 | 7-8 | 4000 |
| 7 | Holyhead ... | 1030·9 | -6 | WSW | 3 | c | 47 | 55 | 8 | 1 | 4 | 8 | Tr | 7-8 | 2500 |
| | Chester (Sealand) | 1030·5 | -6 | NW'W | 4 | c | 48 | 55 | 8 | 7 | 1 | - | 2-3 | 10 | 2500 |
| 8 | Manchester ... | 1029·7 | -6 | W'N | 4 | c | 47 | 65 | 8 | 8 | 1 | - | 7-8 | 10 | 2500 |
| 10 | Spurn Head ... | 1026·7 | -2 | WNW | 5 | c | 50 | 65 | 7 | 8 | 6 | 8 | 4-6 | 9+ | 2500 |
| | Catterick ... | 1027·0 | -4 | W'S | 4 | iro | 48 | 65 | 8 | 5 | 2 | - | 4-6 | 10 | 2500 |
| | Tynemouth ... | 1025·7 | -2 | WNW | 4 | c/pr | 49 | 65 | 7 | 2 | - | - | 7-8 | 7-8 | 1500 |
| 11 | St. Abbs Head | 1023·3 | -6 | W | 4 | c/pr | 47 | 75 | 7 | 8 | 6 | 2 | 4-6 | 7-8 | 2500 |
| | Leuchars ... | 1022·4 | -18 | W | 4 | c | 51 | 65 | 9 | 8 | - | 2 | 4-6 | 7-8 | 2500 |
| 12 | Renfrew (Abbots I.) | 1025·2 | -18 | W | 4 | c/pr | 51 | 75 | 9 | 2 | - | 6 | 4-6 | 7-8 | 2500 |
| | Eskdalemuir ... | 1025·7 | -8 | WSW | 4 | c | 46 | 75 | 8 | 5 | 1 | - | 7-8 | 9 | 1500 |
| | Point of Ayre ... | 1028·7 | -10 | WNW | 4 | c | 50 | 75 | 8 | 8 | 4 | 8 | 4-6 | 7-8 | 2500 |
| 13A | Tiree ... | 1024·9 | -12 | W | 5 | bc | 50 | 65 | 8 | 2 | 4 | - | 4-6 | 4-6 | 2500 |
| 13B | Stornoway ... | 1021·1 | -6 | WNW | 6 | c/pr | 47 | 65 | 8 | 8 | 4 | - | 4-6 | 7-8 | 4000 |
| 15 | Dalwhinnie ... | 1023·2 | -10 | SW | 4 | ir | 42 | 85 | 7 | 8 | 6 | - | 4-6 | 7-8 | 2500 |
| | Aberdeen ... | 1021·3 | -12 | W'N | 4 | c | 50 | 55 | 8 | 8 | 3 | - | 4-6 | 9 | 2500 |
| | Wick ... | 1019·0 | -12 | W | 5 | c/r | 45 | 85 | 7 | 9 | 1 | - | 7-8 | 9 | 1500 |
| 16 | Lerwick ... | 1013·3 | -10 | W | 5 | c/phr | 42 | 85 | 8 | 8 | 9 | - | 4-6 | 7-8 | 800 |
| 17 | Blacksod Point | 1029·5 | -6 | W'N | 4 | c | 48 | 75 | 8 | 5 | - | - | 10 | 10 | 4000 |
| 18 | Malin Head ... | 1026·8 | -10 | W | 3 | bc | 49 | 85 | 8 | 2 | - | 5 | 4-6 | 4-6 | 4000 |
| | Aldergrove ... | 1028·5 | -10 | SW'S | 4 | iro | 48 | 65 | 8 | 5 | 7 | - | 9+ | 9+ | 2500 |
| 19 | Birr Castle ... | 1030·8 | -16 | WSW | 2 | c | 50 | 45 | 8 | 1 | - | 8 | 4-6 | 9 | 2500 |
| 20 | Valentia Obsy. † | 1032·5 | -10 | SW'W | 3 | c | 50 | 65 | 8 | 1 | 3 | 7 | 1 | 10 | 2500 |
| | Roches Point | 1032·4 | * | SW | 3 | c | 49 | 75 | 8 | 1 | 5 | 7 | 2-3 | 7-8 | 2500 |

**OBSERVATIONS at 18h. G.M.T. 4th April** and **PAST 24 HOURS**

| Stations | Barom. at M.S.L. mb. (15) | Change in 3 hours (16) | Wind Direc. (17) | Wind Force 0-12 (18) | Weather (19) | Temp. °F. (20) | % Humid. (21) | Visibility 0-9 (22) | Cloud Form Low (23) | Cloud Form Med. (24) | Cloud Form High (25) | Cloud Amount Low 0-10 (26) | Cloud Amount Total 0-10 (27) | Height of Base (feet) (28) | State of Ground 0-9 (29) | Sea 0-9 (30) | Weather 7h.–13h. 4th (37) | Weather 13h.–18h. 4th (38) | Weather 18h. 4th to 1h. 5th (39) | Weather 1h.–7h. 5th (40) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| London (Kew) | 1028·9 | -4 | WNW | 3 | zo | 49 | 45 | 6 | - | 7 | 7 | 0 | 10 | - | 1 | * | bczcy⊕ | cyczo | cbcbybm | cmox |
| Croydon | 1029·0 | -4 | W | 3 | zo | 48 | 45 | 6 | - | 7 | 7 | 0 | 10 | - | 0 | * | bczcy | cy⊕ | czobzob | bbcxc |
| S. Farnborough | 1029·4 | -4 | NW'W | 1 | c | 48 | 45 | 8 | - | - | 2 | 0 | 9+ | - | 0 | * | byc⊕ | cy⊕ | cbcbx | bbcx |
| Boscombe Down | 1029·7 | -2 | W'N | 3 | c | 47 | 55 | 7 | - | - | 9 | 0 | 7-8 | - | 0 | * | cbc | cy | cyb | bbxbcc |
| Calshot (Sthmtn.) | 1029·4 | -8 | NW | 3 | c | 49 | 45 | 7 | - | 4 | 4 | 0 | 7-8 | - | 0 | 2 | bzo bccy⊕ | cy | cybcbw | bwbxmo |
| Lympne | 1029·1 | 0 | SW'W | 2 | c | 47 | 65 | 7 | - | - | 6 | 0 | 9+ | - | 0 | §2 | czo bcy | bcczy⊕ | cbzo | bzox |
| Manston | 1028·1 | -8 | WNW | 2 | c | 47 | 55 | 6 | - | - | 6 | 0 | 9 | - | 0 | * | bczy | cy | cbcbzo | bbccw |
| Shoeburyness | 1028·4 | -2 | WNW | 2 | c | 49 | 45 | 7 | - | 1 | 6 | 0 | 9+ | - | 0 | * | bczcy | cy | cybc | xbczo⊕ |
| Felixstowe | 1027·7 | -6 | W'N | 3 | iro | 49 | 55 | 7 | 5 | 2 | - | 4-6 | 10 | 4000 | 0 | 2 | bcuy | bcuyiro | cirobcb | bbc |
| Gorleston | 1026·7 | -2 | WNW | 3 | dodo | 49 | 55 | 6 | 8 | - | - | 10 | 10 | 1500 | 1 | 2 | cbc | bccoido | oido bc | bcc |
| Mildenhall | 1027·6 | -2 | WNW | 2 | c/r | 48 | 55 | 6 | 5 | 2 | 1 | 2-3 | 9 | 4000 | 0 | * | cmo bcy | bcycz iro | czobcmo | bbcwz |
| Cranwell | 1027·3 | -6 | W'S | 4 | bc | 47 | 55 | 7 | 4 | - | - | 4-6 | 4-6 | 5700 | 0 | * | cmo bccy | czo cbcy | bcybmo | crorO |
| Birmingham | 1028·5 | -8 | NW | 3 | bc | 47 | 45 | 8 | 7 | - | - | 2-3 | 2-3 | 4000 | 0 | * | bcc | cbc | bcb, cz | c |
| Upper Heyford | 1028·9 | -6 | W | 3 | c | 47 | 55 | 8 | 7 | 7 | - | 4-6 | 9+ | 4000 | 0 | * | bcycy | cy | cbcb | bbcc |
| Ross-on-Wye | 1028·9 | -10 | NW'W | 2 | bc | 47 | 45 | 8 | 5 | 7 | 2 | Tr | 2-3 | 4000 | 0 | * | bbcyc⊕ | cybcy | bbcc | ccpo |
| Bristol | 1029·8 | -10 | WSW | 4 | c | 45 | 65 | 8 | 7 | 7 | 8 | 2-3 | 7-8 | 4000 | 0 | * | bbcyc | cybc | bcb | bbcw |
| Portland Bill | 1030·4 | -6 | W | 3 | bc | 46 | 75 | 8 | 4 | - | - | 4-6 | 4-6 | 2500 | 1 | 2 | cbc | bcbc | bc | bcc |
| Plymouth | 1030·9 | -4 | NNW | 3 | c | 48 | 55 | 9 | 7 | 4 | 8 | Tr | 7-8 | 4000 | 0 | 1 | bmo bcc⊕ | c⊕cy | bczobmo | bbcmoc |
| The Lizard | 1031·7 | -8 | W'S | 3 | bc | 47 | 75 | 8 | 8 | 7 | - | 4-6 | 4-6 | 2500 | 0 | 2 | bcc | bc | bc | bcc |
| Scilly (St. Mary's) | 1031·6 | -4 | NW'W | 2 | c | 49 | 75 | 8 | 2 | 7 | 1 | 2-3 | 9+ | 2500 | 0 | 1 | bcyc | cbcu | cbcc | cbcc |
| Guernsey | 1031·4 | -6 | WNW | 1 | c | 46 | 65 | 7 | - | 7 | 9 | 0 | 9 | - | 0 | 1 | bbcc | c | cbc | c |
| Pembroke | 1031·2 | -6 | W'S | 3 | c | 46 | 75 | 8 | 5 | 7 | 2 | 2-3 | 7-8 | 4000 | 0 | 2 | bcc | cbcc | c | qiroc |
| Holyhead | 1029·7 | -14 | SW'S | 4 | c | 46 | 65 | 9 | 5 | - | 8 | 7-8 | 9 | 5700 | 0 | 2 | bccy⊕ | cbcy | c | crorоc |
| Chester (Sealand) | 1028·6 | -10 | W'N | 3 | bc | 47 | 55 | 8 | 7 | 7 | - | 1 | 2-3 | 2500 | 0 | * | bzocbcyc | cbcy | bcycbc | bcciro |
| Manchester | 1027·7 | -12 | W | 4 | bc | 46 | 65 | 7 | 5 | 3 | - | 2-3 | 4-6 | 5700 | 1 | * | bcmoc | cbcy | bbczoc | ccmodo |
| Spurn Head | 1025·5 | -8 | W'N | 4 | c | 47 | 75 | 6 | - | 2 | 6 | 0 | 10 | - | 0 | 3 | c | c | bcb | cror |
| Catterick | 1025·2 | -6 | WSW | 4 | bc | 47 | 65 | 8 | 5 | - | - | 4-6 | 4-6 | 2500 | 0 | * | cciro | cirocy | bcproc | c |
| Tynemouth | 1023·5 | -4 | W | 4 | bc/phr | 48 | 75 | 6 | 2 | - | - | 4-6 | 4-6 | 1500 | 1 | 2 | bccR | cbcprh | bcoiro | circ |
| St. Abbs Head | 1020·6 | -2 | W | 5 | bc | 48 | 65 | 8 | 4 | 6 | 2 | 2-3 | 4-6 | 2500 | 0 | 3 | cpo | cbc | c | crrir |
| Leuchars | 1020·8 | -6 | W | 5 | c | 57 (47) | 65 | 9 | 8 | 7 | 6 | 4-6 | 7-8 | 2500 | 0 | * | cbc | probcc | c | c |
| Renfrew (Abbots I.) | 1023·0 | -10 | WSW | 5 | c | 46 | 85 | 8 | 8 | 7 | 8 | 4-6 | 9+ | 4000 | 0 | * | cprorom | proqbcc | probcc | cro roc |
| Eskdalemuir | 1023·9 | -6 | W'S | 4 | bc | 43 | 65 | 8 | 5 | 4 | 1 | 4-6 | 4-6 | 2500 | 1 | * | cpropr | prpoprbc | cbc | crroro |
| Point of Ayre | 1025·8 | -20 | W'N | 5 | c | 49 | 85 | 8 | 8 | 4 | - | 7-8 | 9 | 2500 | 0 | 3 | c | c | ciro | rorc |
| Tiree | 1021·8 | -14 | WSW | 4 | iro | 46 | 85 | 7 | 5 | 2 | - | 4-6 | 10 | 1500 | 0 | 3 | PRbc | bcciro | ciro | oido |
| Stornoway | 1017·7 | -14 | WSW | 6 | roro | 46 | 85 | 7 | 5 | 2 | - | 7-8 | 10 | 2500 | 1 | 3 | cPR | croro | croro | cdd |
| Dalwhinnie | 1021·3 | -12 | WSW | 5 | c | 41 | 75 | 8 | 8 | 1 | - | 4-6 | 10 | 2500 | 1 | * | cir | cir | * | cir |
| Aberdeen | 1019·4 | -2 | WNW | 4 | pro | 47 | 65 | 8 | 8 | 2 | - | 8 | 9+ | 2500 | 1 | 1 | proc | ycqpr | porc | cciro |
| Wick | 1016·6 | -10 | WNW | 4 | c | 45 | 75 | 8 | 5 | 7 | - | 7-8 | 9+ | 1500 | 1 | 2 * | ciro | circ | cpobc | cddc |
| Lerwick | 1011·4 | -8 | W | 5 | c | 44 | 75 | 8 | 8 | 7 | - | 4-6 | 7-8 | 1500 | 1 | | Po PR | cpr | bcpr | bcpro |
| Blacksod Point | 1026·7 | -18 | SE | 4 | c | 49 | 85 | 8 | 5 | - | - | 10 | 10 | 1500 | 1 | 3 | c | proc | iDq | iDq |
| Malin Head | 1025·4 | -20 | W | 4 | roro | 47 | 82 | 7 | 6 | 2 | - | 7-8 | 10 | 2500 | 0 | 3 * | bc | bcc, proc | cirociro | cido |
| Aldergrove | 1026·0 | -10 | WSW | 4 | c | 47 | 85 | 8 | 5 | 7 | - | 7-8 | 9+ | 2500 | 1 | | bcc, iro | cproc | irdoro | cmoido |
| Birr Castle | 1029·0 | -10 | W | 3 | c/pr | 47 | 75 | 8 | 3 | 7 | - | 2-3 | 9 | 800 | 1 | * | bcc | cpro | cprob | boiro |
| Valentia Obsy. † | 1030·4 | -8 | W | 3 | c | 50 | 75 | 8 | 7 | 3 | 9 | 2-3 | 7-8 | 2500 | 1 | 2 | c | cproc | cbcc | ldild |
| Roches Point | 1029·7 | * | W | 3 | c | 50 | 85 | 8 | 6 | 7 | - | 4-6 | 7-8 | 1500 | 0 | 2 | c | ciroc | cbc | bcc |

## EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

### COLUMNS 5, 19, 37, 38, 39, 40.—BEAUFORT NOTATION AND SYMBOLS FOR WEATHER.

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog „ less than 220 yds.
fs, low fog over sea (coast station).
fg, low fog over land (inland station).
m. mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jf, fog at a distance, but not at station.
jp. precipitation within sight of station.
ks, storm of drifting snow.
k/so, slight storm of drifting snow (generally low).
k/S, heavy storm of drifting snow (generally low).
so/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze: the turbid atmosphere of dry weather.
h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus R, heavy rain. ro, slight rain. rr, continuous rain.
<, less than (for cloud height).
⊕, Solar halo. ⊕ lunar halo. ⚑ gale.
With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions thus:—bc/r, fair weather after rain; —, has decreased; +, has increased.

### COLUMNS 9, 23.—FORM OF LOW CLOUD.

0 No low clouds.
1 Fair weather Cu.
2 Large Cu without anvil.
3 Cb.
4 Sc formed by the spreading out of Cu.
5 Layer of St or Sc.
6 Ragged low clouds of bad weather (or fractonimbus).
7 Fair weather Cu. and Sc.
8 Large-Cu (or Cb) and Sc.
9 Large-Cu (or Cb) and ragged low clouds of bad weather.

### COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4-6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries. "tr" signifies a small amount of cloud (trace) covering less than 1/20 of the sky. "9+" signifies an overcast sky with a few small openings.

### COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

0 No medium clouds.
1 Typical As (thin).
2 Typical As (thick) (sun or moon invisible), or Nimbostratus (Ns).
3 Single layer of Ac or high Sc.
4 Ac in isolated patches. Individually decreasing (often lenticular).
5 Ac in bands (increasing).
6 Ac formed from the spreading out of Cu.
7 Ac associated with As or As with parts resembling Ac.
8 Ac Castellatus (or Ac in ragged fragments).
9 Ac in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

### COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

0 No cirriform cloud.
1 Fine Ci not increasing: sparse.
2 Fine Ci not increasing: abundant but not a continuous layer.
3 Anvil Ci (usually dense).
4 Fine Ci increasing: usually in tufts.
5 Ci or Cs increasing: still below 45° altitude: often in polar bands.
6 Ci or Cs increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Cs covering whole sky.
8 Cs not increasing and not covering whole sky.
9 Cc predominating, and a little cirrus.
(Cc may occur with any of the types 1 to 8).

Cloud form abbreviations:—
Cirrus,–Ci: Cirrocumulus,–Cc: Cirrostratus,–Cs: Altocumulus,–Ac: Altostratus,–As
Stratocumulus,–Sc: Stratus,–St: Nimbostratus,–Ns: Cumulus,–Cu: Cumulonimbus,–Cb

### COLUMN 29.—STATE OF GROUND.

0 .. Ground dry.
1 .. „ wet.
2 .. „ flooded.
3 .. „ frozen hard and dry.
4 .. „ partly covered with snow or hail.
5 .. „ covered with ice or glazed frost.
6 .. Ground covered with thawing snow.
7 .. „ covered with snow, less than 6 ins., deep but ground not frozen.
8 .. „ covered with snow, less than 6 ins., but ground frozen.
9 .. „ covered with snow greater than 6 ins. deep.

NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

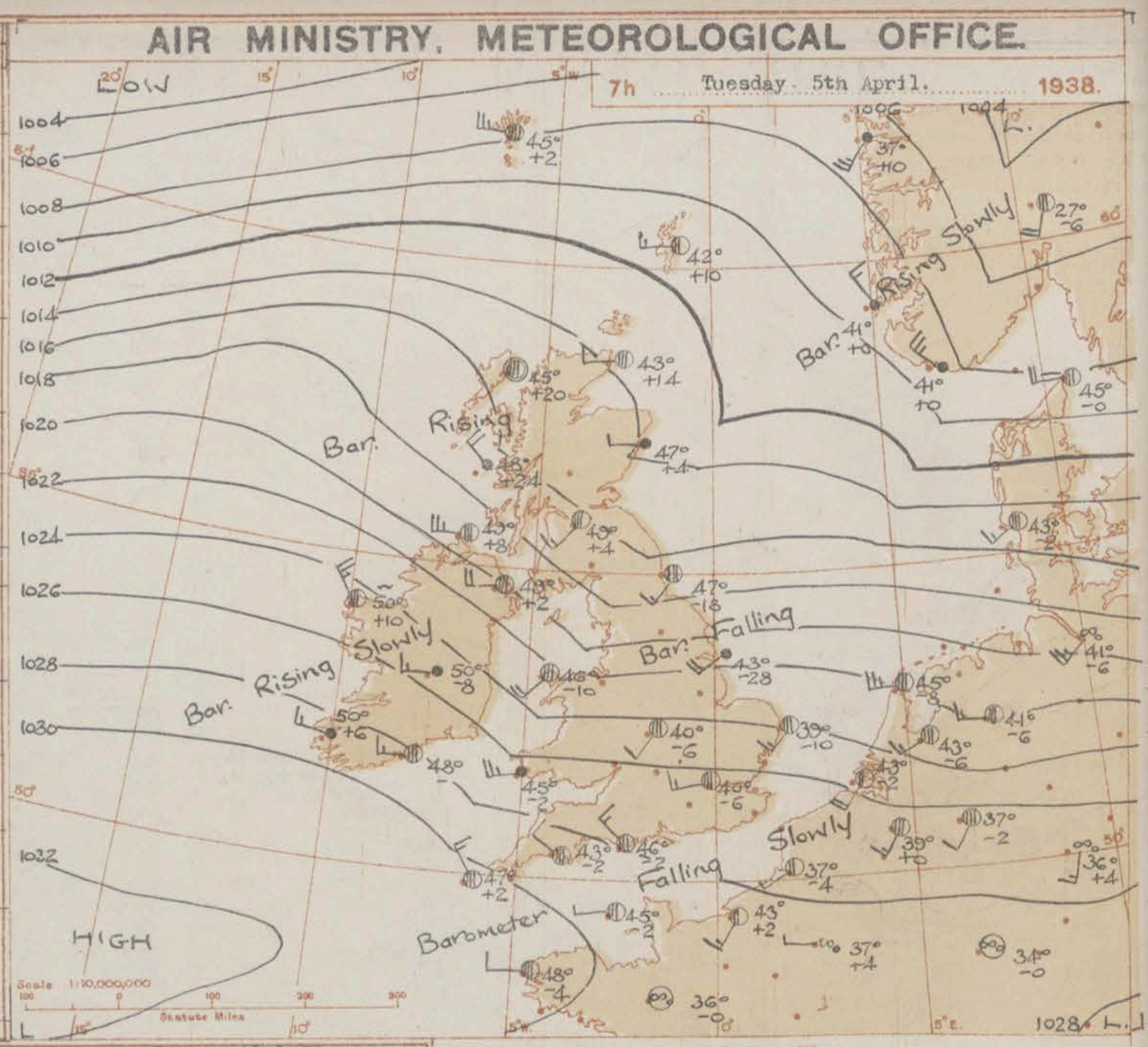
§ Sea disturbance reported from Dungeness.

# AIR MINISTRY, METEOROLOGICAL OFFICE.

## REPORTS from HEALTH RESORTS for 4th April 1938.

| Districts | Stations. | Weather. Forenoon. | Weather. Afternoon. | Temperature. (°F.) Min. 9h. 3rd to 9h. 4th | Temperature. (°F.) Max. 9h.—17h. 4th | Rainfall. (mm.) Night. 17h. 3rd to 9h. 4th | Rainfall. (mm.) Day. 9h.—17h. 4th | Sunshine. (Hrs.) Sunrise to 17h. 4th | Sunshine. (Hrs.) Sunrise to Sunset. 3rd. |
|---|---|---|---|---|---|---|---|---|---|
| 1 | Tunbridge W. | b | bbc | 26 | 52 | - | - | 7·8 | 9·5 |
| | Bournemouth | b | b | 33 | 54 | - | - | 8·4 | 10·2 |
| | Ventnor ... | xbbc | bc | 36 | 51 | - | - | 8·1 | 11·8 |
| | Southsea ... | b | bbc | 36 | 53 | - | - | 6·4 | 10·9 |
| | Bognor Regis | b | bcbc | 35 | 52 | - | - | 6·3 | 10·9 |
| | Littlehampton | bbc | bc | 34 | 54 | - | - | 7·6 | 11·1 |
| | Worthing ... | b | bbc | 36 | 52 | - | - | 8·3 | 11·3 |
| | Brighton ... | b | bc | 35 | 51 | - | - | 7·4 | 10·4 |
| | Eastbourne† ... | bbcy | bcyc | 35 | 51 | - | - | 8·2 | 10·5 |
| | Hastings† ... | bbcbc | bccp | 36 | 51 | - | - | 7·8 | 10·8 |
| | Folkestone ... | b | bbcco | 36 | 51 | - | - | 7·2 | 11·1 |
| | Dover ... | ybc | bcc | 36 | 54 | - | - | 7·4 | 11·7 |
| | Deal ... ... | b | bcco | 35 | 54 | - | - | 6·6 | 10·4 |
| | Ramsgate ... | bc | bc | 39 | 53 | - | - | 8·2 | 11·5 |
| | Margate ... | bc | bc | 41 | 51 | - | - | 8·8 | 11·6 |
| 2 | Southend ... | b | bbcc | 35 | 55 | - | - | 7·0 | 9·5 |
| | Clacton-on-Sea | bc | bccy | 33 | 53 | - | - | 9·2 | 11·0 |
| | Dovercourt ... | bcb | bcoc | 37 | 53 | - | - | 9·2 | 10·8 |
| | Lowestoft ... | cbcb | bbcc | 30 | 56 | - | - | 7·5 | 9·6 |
| | Skegness ... | b | bcc | 29 | 53 | - | - | 4·8 | 9·8 |
| | Mablethorpe... | bybc | cy | 30 | 53 | - | - | 5·5 | 10·2 |
| | Cleethorpes ... | bc | bcc | 33 | 54 | - | - | 6·0 | 10·5 |
| 3 | Leamington S. | bbcc | cbc | 31 | 56 | - | - | 3·6 | 10·4 |
| 4 | Cheltenham† | bbcc | c | 30 | 51 | - | - | 4·4 | 10·8 |
| 5 | Bath ... ... | | | | | | | | |
| | Weymouth ... | b | bbc | 35 | 52 | - | - | 9·1 | 9·3 |
| | Jersey ... | bbc | bcc | 41 | 53 | - | - | 8·8 | 11·6 |
| | Torquay ... | byb | bccb | 34 | 51 | - | - | 7·5 | 11·3 |
| | Falmouth | b | b | 35 | 53 | - | - | 8·5 | * |
| | Penzance ... | bbcb | bbcb | 36 | 53 | - | - | 8·3 | 11·3 |
| | St. Ives ... | b | b | 43 | 60 | - | - | 10·2 | 9·5 |
| | Bude... ... | bcc | cbc | 29 | 49 | - | - | 7·0 | 11·1 |
| | Ilfracombe ... | cbc | bcbc | 38 | 49 | - | - | 8·3 | 10·2 |
| 6 | Aberystwyth | xbcc | bc | 32 | 49 | - | - | 6·3 | 10·5 |
| 7 | Llandudno ... | bcc | cbc | 40 | 49 | - | - | 5·3 | 10·5 |
| | Colwyn Bay... | bcc | cbcbc | 38 | 51 | - | - | 5·4 | 10·1 |
| | Rhyl ... ... | bbcc | cbcb | 40 | 51 | - | - | 5·7 | 10·5 |
| 8 | Wallasey ... | c | cbcb | 41 | 49 | - | - | 3·6 | 10·4 |
| | Southport ... | bcc | cbc | 38 | 50 | - | - | 5·6 | 11·4 |
| | Blackpool ... | czo | cbc | 36 | 49 | - | - | 6·1 | 11·7 |
| | Morecambe ... | bbcc | cbbc | 39 | 48 | Trace | - | 5·1 | 12·0 |
| 9 | Ilkley... ... | bc | bc | 29 | 50 | 0·3 | - | 4·8 | 10·1 |
| | Harrogate ... | bbcc | cbc | 30 | 50 | - | - | 5·6 | 10·7 |
| 10 | Berwick-on-T. | co | cbc | 34 | 52 | - | - | 2·9 | 7·5 |
| 11 | Dunbar ... | cmx | bcm | 35 | 51 | - | - | 4·8 | 7·3 |
| 12 | Troon... ... | cocbc | bbcb | 40 | 50 | - | - | 4·3 | * |
| | Douglas ... | bc | bc | 33 | 50 | - | - | 2·5 | 11·4 |

† Max. Temp. for period 21h. yesterday to 17h. to-day: Min. Temp. 21h.–9h.




BAROMETER. Isobars are drawn for intervals of two millibars.
WIND, WEATHER SYMBOLS. For explanation see opposite page.
SEA DISTURBANCE ~~ Rough. ≈≈ High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

## FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 5th April, 1938.

| Districts | Forecasts |
|---|---|
| 1 S.E. England<br>2 E. England ...<br>3 E. Midlands ...<br>4 W. Midlands ...<br>5 S.W. England<br>6 South Wales ...<br>7 North Wales ...<br>8 N.W. England<br>9 N. Midlands ...<br>10 N.E. England | Wind west to southwest, light or moderate; cloudy, occasional drizzle; bright periods tomorrow; mild. |
| 11 S.E. Scotland<br>12 S.W. Scotland & Isle of Man. | Wind west to southwest, moderate or fresh; occasional rain; mild. |
| 13 A. W. Scotld. / B.N.W.Scotland.<br>14 Mid Scotland<br>15 N. E. Scotland<br>16 Orkney and Shetland | Wind west to southwest, moderate or fresh; occasional rain, sleet on high ground; average temperature. |
| 17 N. W. Ireland<br>18 N. E. Ireland<br>19 S. E. Ireland<br>20 S. W. Ireland | As 1 - 10. |

RAW.

H.M. Stationery Office Press, Kingsway W.C.2

### GENERAL INFERENCE.

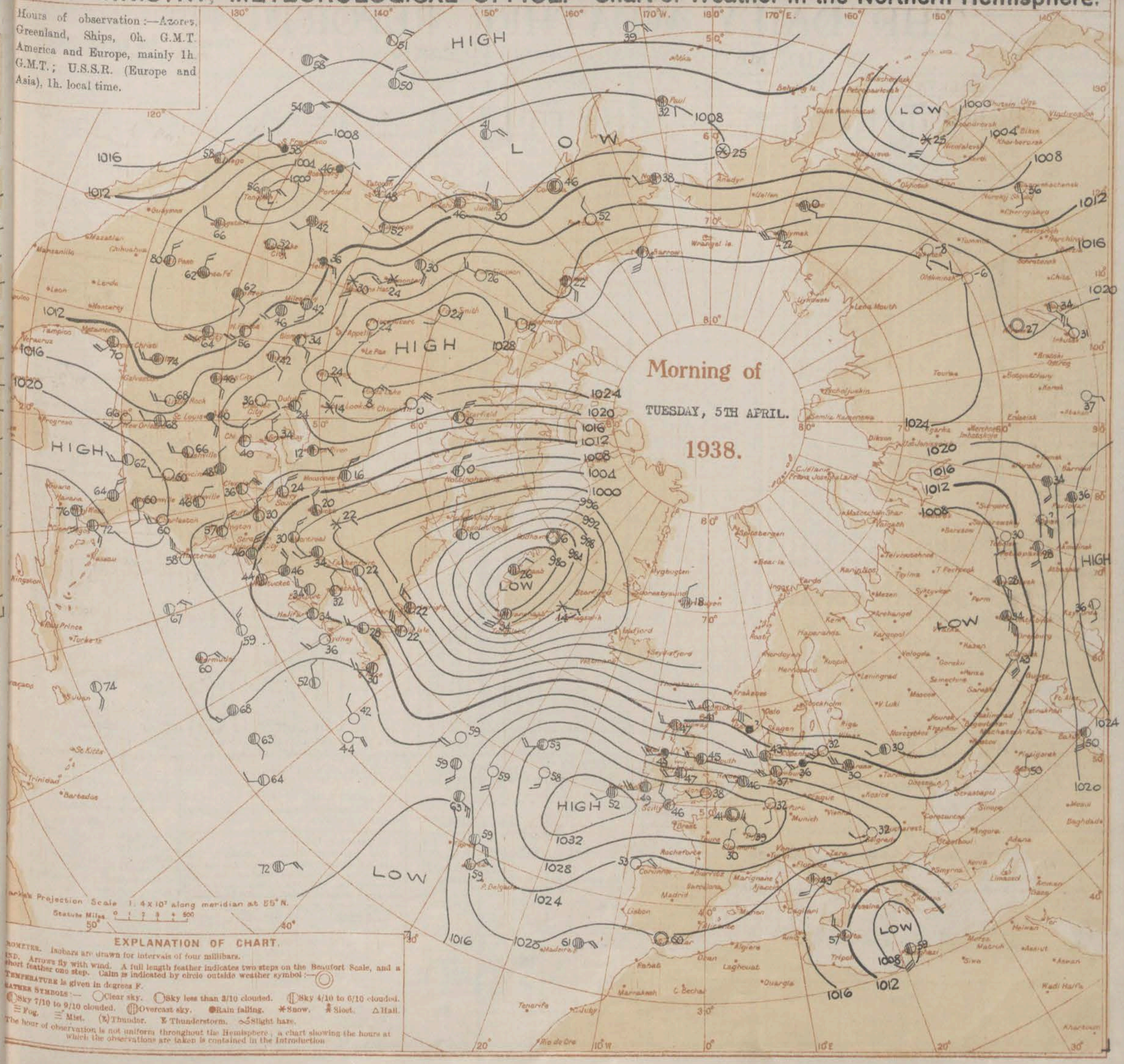
An anticyclone is situated off the southwest of Ireland and a depression is approaching Iceland. Weather will become cloudy and mild. There will be some rain in most districts but the amounts in Southern England will be very small.

### FURTHER OUTLOOK.

Mild and mainly fair in the South.

Forecasts issued at 1000 G.M.T. GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S., Director.

# AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.



AIR MINISTRY.

# THE DAILY WEATHER REPORT

## OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Tuesday, 5th April, 1938.
No. 27893.

### OBSERVATIONS at 1 hr. G.M.T. 5th April

| District | Stations | Height above M.S.L. in feet | Barom. at M.S.L. mb. (1) | Change in 3 hours (2) | Wind Direc. (3) | Wind Force 0–12 (4) | Weather (5) | Temp. °F. (6) | Humid. % (7) | Visibility 0–9 (8) | Cloud Form Low (9) | Cloud Form Med. (10) | Cloud Form High (11) | Cloud Amount Low 0–10 (12) | Cloud Amount Total 0–10 (13) | Height of Base (feet) (14) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | London (Kew) | 18 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Croydon ... | 217 | 1028·6 | −8 | WSW | 2 | b | 38 | 85 | 7 | - | - | - | 0 | 0 | - |
| | S. Farnborough | 226 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Boscombe Down | 417 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Calshot (Sthmtn.) | 8 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Lympne ... | 346 | 1028·6 | −6 | W'N | 3 | b | 39 | 65 | 6 | - | - | - | 0 | 0 | - |
| | Manston ... | 142 | 1027·8 | −6 | W'S | 2 | b | 34 | 75 | 6 | - | - | - | 0 | 0 | - |
| 2 | Shoeburyness... | 11 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Felixstowe ... | 15 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Gorleston ... | 5 | 1026·2 | −6 | SW | 3 | b | 39 | 65 | 6 | 5 | - | - | 1 | 1 | 2500 |
| | Mildenhall ... | 19 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Cranwell ... | 240 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 3 | Birmingham ... | 535 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Upper Heyford | 408 | * | * | * | * | * | - | * | * | * | * | * | * | * | * |
| 4 | Ross-on-Wye | 223 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 5 | Bristol ... | 209 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Portland Bill ... | 32 | 1028·4 | −6 | NW | 3 | bc | 45 | 85 | 8 | 4 | - | - | 2-3 | 2-3 | 2500 |
| | Plymouth ... | 82 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | The Lizard ... | 240 | 1030·8 | −6 | W | 2 | bc | 46 | 85 | 8 | 8 | - | - | 2-3 | 2-3 | 2500 |
| | Scilly (St. Mary's) | 163 | 1031·0 | −6 | NW'W | 4 | c | 46 | 85 | 8 | 5 | 7 | - | 4-6 | 7-8 | 2500 |
| | Guernsey .. | 175 | 1030·7 | −6 | WNW | 1 | c | 44 | 75 | 7 | - | 7 | 8 | 0 | 7-8 | - |
| 6 | Pembroke ... | 142 | 1028·5 | −4 | W'S | 4 | c | 47 | 85 | 7 | 5 | 4 | - | 4-6 | 7-8 | 2500 |
| 7 | Holyhead ... | 26 | 1025·6 | −10 | WSW | 4 | c | 47 | 75 | 8 | 5 | 2 | - | 4-6 | 10 | 4000 |
| | Chester (Sealand) | 16 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 8 | Manchester ... | 70 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 10 | Spurn Head ... | 29 | 1024·4 | −6 | W'S | 4 | b | 42 | 85 | 7 | - | - | - | 0 | 0 | - |
| | Catterick ... | 175 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Tynemouth ... | 108 | 1021·1 | −12 | W | 3 | 0 | 45 | 75 | 7 | - | 2 | - | 10 | 10 | 1500 |
| 11 | St Abbs Head .. | 280 | 1018·9 | −8 | W | 3 | c | 45 | 85 | 7 | 5 | 7 | - | 7-8 | 10 | 2500 |
| | Leuchars ... | 36 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 12 | Renfrew (Abbots I.) | 19 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Eskdalemuir ... | 794 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Point of Ayre... | 30 | 1023·4 | −12 | W | 4 | 0 | 46 | 92 | 8 | - | 2 | - | 10 | 10 | 1500 |
| 13a | Tiree ... | 22 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 13b | Stornoway ... | 80 | 1014·2 | −10 | W | 3 | c | 47 | 97 | 7 | 5 | 2 | - | 7-8 | 10 | 2500 |
| 15 | Dalwhinnie ... | 1176 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Aberdeen ... | 79 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Wick ... | 81 | 1013·4 | −12 | SW | 3 | c | 43 | 92 | 8 | 5 | 2 | - | 7-8 | 10 | 1500 |
| 16 | Lerwick ... | 156 | 1010·2 | −2 | W | 4 | bc | 41 | 85 | 8 | 8 | - | - | 4-6 | 4-6 | 1500 |
| 17 | Blacksod Point | 18 | 1023·6 | −10 | W | 5 | DD | 50 | 97 | 6 | 6 | - | - | 10 | 10 | <150 |
| 18 | Malin Head ... | 84 | 1018·9 | −34 | SW'W | 5 | dd | 49 | 97 | 6 | 3 | - | - | 10 | 10 | 800 |
| | Aldergrove ... | 268 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 19 | Birr Castle ... | 173 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 20 | Valentia Obsy. † | 30 | 1029·3 | −6 | WSW | 5 | 0 | 48 | 97 | 7 | 5 | - | - | 10 | 10 | 1500 |
| | Roches Point | 22 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |

### OBSERVATIONS at 7 hr. G.M.T. 5th April

| District | Stations | Barom. at M.S.L. mb. (15) | Change in 3 hours (16) | Wind Direc. (17) | Wind Force 0–12 (18) | Weather (19) | Temp. °F. (20) | Humid. % (21) | Visibility 0–9 (22) | Cloud Form Low (23) | Cloud Form Med. (24) | Cloud Form High (25) | Cloud Amount Low 0–10 (26) | Cloud Amount Total 0–10 (27) | Height of Base (feet) (28) | State of Ground 0–9 (29) | Sea 0–9 (30) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | London (Kew) | 1026·3 | −8 | SW | 2 | $Z_0$ | 38 | 85 | 6 | - | - | 7 | 0 | 10 | - | 1 | * |
| | Croydon ... | 1026·6 | −6 | W'S | 3 | c | 40 | 85 | 7 | - | 4 | 9 | 0 | 9 | - | 0 | * |
| | S. Farnborough | 1025·6 | −4 | W | 2 | c | 36 | 87 | 8 | - | 4 | 6 | 0 | 7-8 | - | 0 | * |
| | Boscombe Down | 1027·7 | −2 | SW'W | 3 | c | 39 | 92 | 7 | - | 4 | 8 | 0 | 7-8 | - | 0 | * |
| | Calshot (Sthmtn.) | 1027·5 | −2 | SW'W | 2 | $Z_0$ | 38 | 92 | 6 | - | 4 | 6 | 0 | 7-8 | - | 1 | 1 |
| | Lympne ... | 1026·9 | −4 | W'N | 2 | c | 37 | 75 | 7 | - | 4 | 6 | 0 | 7-8 | - | 0 | §1 |
| | Manston ... | 1025·6 | −10 | W'S | 2 | $Z_0$ | 37 | 75 | 5 | 5 | 7 | 6 | 2-3 | 7-8 | 1500 | 0 | * |
| 2 | Shoeburyness... | 1026·0 | −4 | W | 3 | c | 41 | 75 | 6 | - | 4 | 8 | 0 | 7-8 | - | 0 | * |
| | Felixstowe ... | 1025·3 | −6 | WSW | 3 | bc | 38 | 75 | 8 | - | 5 | 8 | 0 | 4-6 | - | 0 | 2 |
| | Gorleston ... | 1023·8 | −10 | SW'W | 3 | c | 39 | 65 | 6 | - | 4 | 8 | 0 | 7-8 | - | 0 | 2 |
| | Mildenhall ... | 1024·2 | −6 | SW | 3 | c | 32 | 85 | 7 | 5 | 3 | 2 | 2-3 | 9 | 5700 | 0 | * |
| | Cranwell ... | 1022·6 | −16 | SW | 4 | c/r | 40 | 92 | 7 | 6 | 7 | – | 4-6 | 9+ | 2500 | 1 | * |
| 3 | Birmingham ... | 1024·1 | −6 | SW | 2 | c | 40 | 85 | 8 | 6 | 7 | - | 4-6 | 10 | 1500 | 0 | * |
| | Upper Heyford | 1025·9 | −6 | S'W | 1 | $Z_0$ | 36 | 92 | 6 | - | 8 | 9 | 0 | 9+ | - | 0 | * |
| 4 | Ross-on-Wye | 1025·6 | −8 | SW | 3 | $id_0$ | 44 | 85 | 8 | 6 | 7 | - | Tr | 9+ | 2500 | 1 | * |
| 5 | Bristol ... | 1026·8 | −2 | WSW | 3 | $pr_0$ | 44 | 92 | 7 | 5 | - | 1 | 4-6 | 4-6 | 800 | 0 | * |
| | Portland Bill ... | 1027·6 | −2 | WNW | 2 | c | 46 | 85 | 8 | 4 | 4 | - | 7-8 | 9 | 2500 | 1 | 2 |
| | Plymouth ... | 1028·8 | −2 | WNW | 2 | c | 43 | 92 | 7 | 5 | 7 | 9 | Tr | 7-8 | 1500 | 0 | 1 |
| | The Lizard ... | 1029·5 | 0 | W'N | 4 | c | 47 | 85 | 8 | 8 | 3 | - | 4-6 | 7-8 | 2500 | 0 | 2 |
| | Scilly (St. Mary's) | 1030·1 | +2 | NW | 3 | c | 47 | 85 | 8 | 4 | 7 | 7 | 2-3 | 7-8 | 1500 | 0 | 2 |
| | Guernsey .. | 1029·5 | −2 | W'S | 1 | c | 45 | 85 | 9 | 2 | 1 | - | 4-6 | 7-8 | 2500 | 0 | 1 |
| 6 | Pembroke ... | 1026·7 | −14 | W'S | 5 | $ir_0$ | 47 | 92 | 7 | 5 | - | - | 10 | 10 | 1500 | 1 | 2 |
| 7 | Holyhead ... | 1022·7 | −10 | SW'W | 4 | c/r | 46 | 92 | 8 | 6 | 2 | - | 4-6 | 10 | 1500 | 1 | 2 |
| | Chester (Sealand) | 1022·6 | −18 | W'S | 2 | c/r | 46 | 85 | 8 | 5 | 2 | - | 9 | 10 | 1500 | 1 | * |
| 8 | Manchester ... | 1022·3 | −14 | WSW | 3 | $d_0d_0$ | 43 | 97 | 5 | 6 | 2 | - | 9 | 10 | 450 | 1 | * |
| 10 | Spurn Head ... | 1020·6 | −28 | WSW | 4 | rr | 43 | 92 | 6 | 5 | - | - | 10 | 10 | 1500 | 1 | 2 |
| | Catterick ... | 1018·1 | −20 | WSW | 4 | c | 47 | 85 | 8 | 5 | 5 | - | 2-3 | 9 | 1500 | 0 | * |
| | Tynemouth ... | 1016·9 | −18 | WSW | 3 | c | 47 | 85 | 7 | - | 2 | - | 9+ | 9+ | 1500 | 1 | 2 |
| 11 | St Abbs Head .. | 1014·2 | −8 | W | 3 | c | 49 | 97 | 8 | 3 | 7 | - | 4-6 | 7-8 | 2500 | 0 | 2 |
| | Leuchars ... | 1014·4 | −6 | W | 4 | c | 47 | 92 | 7 | 5 | 7 | - | Tr | 10 | 1500 | 0 | * |
| 12 | Renfrew (Abbots I.) | 1016·8 | +4 | WSW | 3 | c | 49 | 97 | 7 | 5 | 7 | - | 9+ | 9+ | 2500 | 1 | * |
| | Eskdalemuir ... | 1016·8 | −12 | WSW | 3 | $r_0r_0$ | 44 | 92 | 5 | - | 2 | - | 10 | 10 | 450 | 1 | * |
| | Point of Ayre... | 1019·5 | −8 | W | 4 | c | 48 | 97 | 8 | 5 | 2 | - | 7-8 | 10 | 800 | 1 | 2 |
| 13a | Tiree ... | 1017·8 | +24 | NW'W | 4 | $id_0$ | 48 | 97 | 7 | 5 | - | - | 9+ | 9+ | 1500 | 1 | 3 |
| 13b | Stornoway ... | 1015·7 | +20 | – | 0 | c | 45 | 97 | 8 | 5 | 1 | - | 7-8 | 10 | 2500 | 0 | 0 |
| 15 | Dalwhinnie ... | 1015·5 | +4 | W | 2 | c | 46 | 92 | 7 | 4 | 5 | 1 | 4-6 | 10 | 1500 | 1 | * |
| | Aberdeen ... | 1014·1 | +4 | W | 1 | $ir_0$ | 47 | 85 | 7 | 5 | 7 | – | 2-3 | 9+ | 1500 | 1 | 1 |
| | Wick ... | 1013·6 | +14 | W | 2 | c | 43 | 97 | 8 | 5 | 7 | 8 | 4-6 | 7-8 | 1500 | 1 | 1 |
| 16 | Lerwick ... | 1011·2 | +10 | W | 3 | bc | 42 | 86 | 8 | 8 | 7 | – | 4-6 | 4-6 | 1500 | 1 | * |
| 17 | Blacksod Point | 1024·7 | +10 | NW | 5 | 0 | 50 | 97 | 7 | 5 | - | - | 10 | 10 | 800 | 1 | 4 |
| 18 | Malin Head ... | 1019·7 | +8 | W | 5 | 0/d | 49 | 97 | 5 | 5 | – | - | 10 | 10 | 1500 | 1 | 2 |
| | Aldergrove ... | 1020·4 | +2 | W | 4 | 0/d | 49 | 92 | 6 | 5 | - | - | 10 | 10 | 800 | 1 | * |
| 19 | Birr Castle ... | 1024·6 | −8 | W | 3 | $ir_0$ | 50 | 92 | 7 | 5 | - | - | 10 | 10 | 2500 | 1 | * |
| 20 | Valentia Obsy. † | 1029·5 | +6 | W'N | 3 | $id_0$ | 50 | 97 | 6 | 5 | – | - | 10 | 10 | 450 | 1 | 2 |
| | Roches Point | 1027·8 | * | W | 3 | c | 48 | 92 | 8 | 5 | – | – | 9+ | 9+ | 1500 | 0 | 2 |

### PAST 24 HOURS.

| District | Stations | Temperature Max. Day 7h–18h °F. (31) | Temperature Min. Night 18h–7h °F (32) | Temperature Min. on Grass °F. (33) | Rainfall Day 7h–18h mm. (34) | Rainfall Night 18h–7h mm. (35) | Sunshine Hrs. (36) |
|---|---|---|---|---|---|---|---|
| 1 | London (Kew) | 52 | 34 | 25 | - | - | 6·3 |
| | Croydon ... | 52 | 35 | 29 | - | - | 6·6 |
| | S. Farnborough | 52 | 30 | 19 | - | Tr. | 6·8 |
| | Boscombe Down | 50 | 34 | 26 | - | - | 6·3 |
| | Calshot (Sthmtn.) | 52 | 34 | 30 | - | - | 7·3 |
| | Lympne ... | 52 | 32 | 24 | - | - | 8·1 |
| | Manston ... | 54 | 30 | 24 | - | - | 8·1 |
| 2 | Shoeburyness... | 55 | 37 | 29 | - | - | 7·9 |
| | Felixstowe ... | 53 | 36 | 33 | Tr | Tr | 8·3 |
| | Gorleston ... | 52 | 38 | 35 | Tr | 0·1 | 6·2 |
| | Mildenhall ... | 51 | 33 | 26 | Tr | Tr | 9·5 |
| | Cranwell ... | 52 | 36 | 30 | - | 0·3 | 3·5 |
| 3 | Birmingham ... | 50 | 36 | 33 | - | - | 6·7 |
| | Upper Heyford | 50 | 28 | 20 | - | - | * |
| 4 | Ross-on-Wye | 53 | 37 | 24 | - | Tr | 7·3 |
| 5 | Bristol ... | 50 | 37 | 29 | - | - | 7·4 |
| | Portland Bill ... | 50 | 43 | * | - | - | * |
| | Plymouth ... | 51 | 38 | 34 | - | - | 7·6 |
| | The Lizard ... | 52 | 46 | * | - | - | 9·7 |
| | Scilly (St. Mary's) | 52 | 45 | * | - | - | 9·1 |
| | Guernsey .. | 50 | 41 | 32 | - | - | 9·5 |
| 6 | Pembroke ... | 49 | 45 | * | - | Tr | 3·3 |
| 7 | Holyhead ... | 49 | 45 | 44 | - | 1 | 5·1 |
| | Chester (Sealand) | 50 | 43 | 36 | - | 0·1 | 6·1 |
| 8 | Manchester ... | 49 | 37 | 38 | - | 0·4 | 4·4 |
| 10 | Spurn Head ... | 52 | 40 | * | - | Tr | 4·7 |
| | Catterick ... | 50 | 41 | 40 | Tr | Tr | 4·6 |
| | Tynemouth ... | 50 | 44 | 33 | 0·1 | 2 | 5·6 |
| 11 | St Abbs Head .. | 50 | 43 | * | Tr | 0·2 | * |
| | Leuchars ... | 55 | 43 | 40 | Tr | - | * |
| 12 | Renfrew (Abbots I.) | 51 | 43 | 41 | 0·2 | 0·6 | 2·9 |
| | Eskdalemuir ... | 49 | 40 | 37 | 1 | 2 | 3·0 |
| | Point of Ayre... | 54 | 44 | * | ~ | 1 | 3·03 |
| 13a | Tiree ... | 50 | 46 | * | 0·5 | 2 | 5·8 |
| 13b | Stornoway ... | 49 | 45 | * | 1 | 2 | 4·2 |
| 15 | Dalwhinnie ... | 45 | 38 | 36 | 1 | 1 | 4·1 |
| | Aberdeen ... | 52 | 43 | 36 | 0·1 | 0·1 | 2·5 |
| | Wick ... | 48 | 42 | * | 2 | 2 | * |
| 16 | Lerwick ... | 46 | 38 | * | 2 | 2 | 0·8 |
| 17 | Blacksod Point | 51 | 47 | * | 0·4 | 2 | * |
| 18 | Malin Head ... | 50 | 44 | * | 1 | 3 | 6·2 |
| | Aldergrove ... | 53 | 43 | 42 | 0·1 | 0·6 | 3·3 |
| 19 | Birr Castle ... | 52 | 44 | * | Tr | 0·3 | 4·8 |
| 20 | Valentia Obsy. † | 51 | 45 | 39 | Tr | 0·2 | 1·3 |
| | Roches Point | 51 | 44 | * | 0·3 | - | * |

### LONDON OBSERVATIONS

Day 7h—18h. Kew & Croydon.
9h—18h. Kensington.
9h—21h. other stations except for rainfall which is 9h—18h.

| | Height above M.S.L. in feet | Weather Morning (24 hrs. ended 9h.) | Weather Afternoon (24 hrs. ended 9h.) | Weather Night (24 hrs. ended 9h.) | Temperature Day Max. °F. | Temperature Night Min. °F. | Temperature Min. on Grass °F. | Rainfall Day mm. | Rainfall Night mm. | Sunshine to Sunset hrs. Yesterday | Humidity 15h. G.M.T. % Yesterday | Humidity 9h. G.M.T. % Yesterday | Visibility 9h. Yesterday |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kew ... | 18 | bczcy⊕ | cycz₀ | cbcm₀x | 52 | 34 | 25 | – | – | 6·3 | * | * | 5 |
| Croydon ... | 217 | bczcy | cy⊕ | cz₀bcxc | 52 | 38 | 29 | – | – | 6·6 | * | * | 6 |
| Greenwich (Royal Observatory)... | 149 | by | bc⊕y | cbcd₀ | 52 | 34 | 24 | – | Tr | 5·8 | 38 | 77 | 5 |
| City (Bunhill Row) ... | — | * | * | * | * | * | * | * | * | 5·3 | * | * | * |
| Westminster (St. James' Park) ... | 27 | * | * | * | 54 | 37 | 29 | – | | 5·5 | 38 | 82 | * |
| Regents Pk. (Botanic Gardens)‡... | 168 | * | * | * | 56 | 36 | 32 | – | Tr | 5·9 | 42 | 82 | * |
| Camden Square ... | 110 | b | c | * | 54 | 35 | 31 | – | – | * | * | 79 | * |
| Kensington ... | 80 | bc | cbc | * | 53 | 36 | 27 | – | Tr | 6·1 | At 18h. 41 | 83 | * |
| Hampstead Observatory ... | 450 | | | | | | | | | 6·0 | * | | * |

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. 5th

| South Kensington Max. | Time | Min. | Time | Kew Observatory Max. | Time | Min. | Time |
|---|---|---|---|---|---|---|---|
| 0·3 | 20·2h 4th | <0·3 | 3·5h 5th | 0·4 | 21h 4th | <0·1 | 14h 4th |

### FOREIGN OBSERVATIONS.

| Stations | 18h. G.M.T. 4th April Barom. mb. | Wind Direc. | Wind Force | Weather | Temp. °F. | 7h. G.M.T. 5th April Barom. mb. | Wind Direc. | Wind Force | Weather | Temp. °F. | Past 24 Hours Max. Day °F. | Min. Night °F. | Rainfall Day mm. | Rainfall Night mm. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Paris ... | 1029·5 | NNE | 1 | c | 50 | 1029·0 | W | 1 | $Z_0$ | 37 | 54 | 34 | – | – |
| Brussels ... | 1028·7 | NW'W | 2 | c | 45 | 1026·4 | SW | 3 | c | 39 | 52 | 36 | – | – |
| Berlin ... | | | | | | 1020·1 | W | 4 | $id_0$ | 30 | * | 36 | | Tr |
| Zurich ... | 1027·1 | S | 1 | c | 43 | 1026·2 | ESE | 0 | $Z_0$ | 34 | 50 | 28 | – | – |
| Rome ... | 1014·3 | N | 5 | c | 55 | 1018·3 | N | 4 | c | 46 | * | * | 1 | – |

## EXPLANATION OF FIGURES, LETTERS, etc.

**COLUMNS 2, 16.**
The barometric tendency is expressed in tenths of a millibar.

**COLUMNS 4, 18.**
The Beaufort Scale of Wind is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers is the speed at about 30 feet above the ground.

| Beaufort No | Statute m/h. | Beaufort No. | Statute m/h. | Beaufort No. | Statute m/h. |
|---|---|---|---|---|---|
| 0 | <1 | 4 | 13–18 | 9 | 47–54 |
| 1 | 1–3 | 5 | 19–24 | 10 | 55–63 |
| 2 | 4–7 | 6 | 25–31 | 11 | 64–75 |
| 3 | 8–12 | 7 | 32–38 | 12 | > 75 |
| | | 8 | 39–46 | | |

**COLUMNS 34, 35.**
Tr. = rain has fallen, but amount less than 0·1 mm.

**COLUMNS 8, 22 — Code for surface visibility.**

| | Objects not visible at |
|---|---|
| 0 Dense fog | 55 yards. |
| 1 Thick fog | 220 ,, |
| 2 Fog | 550 ,, |
| 3 Moderate fog | 1,100 ,, |
| 4 Mist or haze | 1½ miles. |
| 5 Poor visibility | 2½ ,, |
| 6 Moderate ,, | 6½ ,, |
| 7 Good ,, | 12½ ,, |
| 8 Very good ,, | 31 ,, |
| 9 Excellent ,, | beyond 31m. |

**COLUMN 30.—Code for State of Sea.**

| | |
|---|---|
| 0 Calm. | 5 Very rough |
| 1 Smooth. | 6 High. |
| 2 Slight. | 7 Very high. |
| 3 Moderate. | 8 Precipitous. |
| 4 Rough. | 9 Confused. |

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METEOROLOGICAL OFFICE, AIR MINISTRY, ADASTRAL HOUSE, KINGSWAY, LONDON, W.C.2.

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S., Director.

† 1 hr. observations are from Valentia W/T Station. ‡ Maximum and Minimum Temperatures are for the 24 hours ending 8 h. § See disturbance reported from Dungeness.

Page 1.

AIR MINISTRY.

# THE DAILY WEATHER REPORT

## OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Wednesday, 6th April, 1938.
No. 37894.

### OBSERVATIONS at 13h. G.M.T. 5th April

| District | Stations (For heights see p. 4.) | Barom. at M.S.L. mb. (1) | Change in 3 hours (2) | Wind Direc. (3) | Wind Force 0–12 (4) | Weather (5) | °F. Temp. (6) | % Humid. (7) | Visibility 0–9 (8) | Cloud Form Low (9) | Cloud Form Med. (10) | Cloud Form High (11) | Amount Low 0–10 (12) | Amount Total 0–10 (13) | Height of Base (feet) (14) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | London (Kew) | 1023.8 | −16 | SW'W | 3 | o/r | 51 | 75 | 6 | 5 | – | – | 10 | 10 | 1500 |
| | Croydon | 1024.8 | −10 | W'S | 4 | c | 51 | 75 | 7 | 5 | – | – | 9+ | 9+ | 2500 |
| | S. Farnborough | 1024.4 | −18 | W | 4 | c | 52 | 65 | 8 | 5 | – | – | 10 | 10 | 2500 |
| | Boscombe Down | 1025.5 | −10 | W | 5 | c | 49 | 75 | 8 | 5 | – | – | 10 | 10 | 1500 |
| | Calshot (Sthmtn.) | 1025.4 | −16 | SW'S | 4 | c | 53 | 75 | 8 | 5 | 2 | – | 9+ | 10 | 2500 |
| | Lympne | 1024.8 | −18 | WSW | 4 | c | 50 | 75 | 8 | 5 | – | – | 9+ | 9+ | 5700 |
| | Manston | 1023.5 | −18 | W'S | 4 | c | 51 | 65 | 8 | 5 | 7 | – | 7-8 | 10 | 2500 |
| 2 | Shoeburyness | 1023.6 | −14 | W'S | 4 | $z_o$ | 53 | 65 | 6 | 5 | 7 | 8 | 9 | 9+ | 2500 |
| | Felixstowe | 1023.0 | −14 | SW | 4 | c | 51 | 65 | 7 | 5 | 2 | – | 7-8 | 10 | 2500 |
| | Gorleston | 1021.5 | −12 | SW'W | 3 | $ir_o$ | 49 | 75 | 6 | 6 | – | – | 10 | 10 | 2500 |
| | Mildenhall | 1022.1 | −10 | WSW | 4 | c | 51 | 75 | 8 | 5 | – | – | 10 | 10 | 2500 |
| | Cranwell | 1021.0 | −6 | SW | 4 | $id_o$ | 48 | 92 | 6 | 5 | – | – | 10 | 10 | 800 |
| 3 | Birmingham | 1022.6 | −2 | WNW | 4 | c | 52 | 75 | 7 | 5 | – | – | 10 | 10 | 2500 |
| | Upper Heyford | 1023.9 | −10 | W'S | 3 | c | 50 | 75 | 7 | 5 | 2 | – | 7-8 | 10 | 2500 |
| 4 | Ross-on-Wye | 1023.6 | −12 | W | 4 | c | 55 | 65 | 8 | 5 | 7 | 1 | 9 | 9+ | 2500 |
| 5 | Bristol | 1025.4 | −8 | W'S | 5 | c | 49 | 92 | 7 | 5 | – | – | 10 | 10 | 800 |
| | Portland Bill | 1026.2 | −6 | WSW | 4 | c | 48 | 92 | 8 | 5 | 2 | – | 7-8 | 10 | 2500 |
| | Plymouth | 1028.2 | −6 | WNW | 4 | c | 52 | 75 | 8 | 5 | 7 | – | 9+ | 10 | 1500 |
| | The Lizard | 1029.3 | −4 | W | 5 | c | 50 | 85 | 8 | 4 | 4 | – | 7-8 | 9+ | 1500 |
| | Scilly (St. Mary's) | 1030.0 | −4 | W'N | 5 | c | 52 | 75 | 8 | 5 | 7 | – | 4-6 | 9+ | 2500 |
| | Guernsey | 1028.8 | −6 | WNW | 3 | c | 52 | 75 | 9 | 2 | 3 | – | 4-6 | 9 | 2500 |
| 6 | Pembroke | 1026.3 | −6 | WNW | 5 | q | 51 | 85 | 7 | 5 | – | – | 9+ | 9+ | 2500 |
| 7 | Holyhead | 1023.6 | +6 | WNW | 5 | c | 52 | 85 | 8 | 7 | – | – | 9+ | 9+ | 2500 |
| | Chester (Sealand) | 1023.1 | +10 | NW'W | 5 | iD | 53 | 85 | 6 | 6 | 2 | – | 7-8 | 10 | 800 |
| 8 | Manchester | 1022.0 | +8 | WNW | 5 | c | 52 | 85 | 7 | 8 | – | – | 10 | 10 | 1500 |
| 10 | Spurn Head | 1019.5 | −4 | WNW | 5 | c | 51 | 85 | 6 | 5 | 2 | – | 4-6 | 10 | 800 |
| | Catterick | 1019.0 | +10 | NW'W | 4 | c | 56 | 65 | 9 | 8 | – | 9 | 4-6 | 7-8 | 2500 |
| | Tynemouth | 1018.0 | +14 | NW | 4 | c | 57 | 65 | 7 | 8 | – | – | 9+ | 9+ | 1500 |
| 11 | St. Abbs Head | 1017.9 | +22 | NNW | 2 | c | 50 | 92 | 9 | 8 | 6 | 2 | 4-6 | 9 | 2500 |
| | Leuchars | 1017.4 | +10 | ESE | 2 | c | 56 | 75 | 9 | 8 | 4 | 2 | 2-3 | 7-8 | 4000 |
| 12 | Renfrew (Abbots I.) | 1019.8 | +16 | WNW | 4 | c | 57 | 75 | 8 | 8 | 5– | 6 | 7-8 | 9 | 1500 |
| | Eskdalemuir | 1019.0 | +14 | WNW | 4 | c | 56 | 65 | 8 | 8 | – | 2 | 4-6 | 7-8 | 2500 |
| | Point of Ayre | 1022.5 | +10 | NW'N | 3 | c | 53 | 92 | 8 | 8 | – | 9 | 2-3 | 7-8 | 1500 |
| 13A | Tiree | 1021.1 | +12 | W'N | 4 | $id_o$ | 49 | 92 | 6 | 5 | – | – | 10 | 10 | 220 |
| 13B | Stornoway | 1016.3 | −4 | WSW | 5 | $d_od_o$ | 50 | 92 | 6 | 5 | 2 | – | 9 | 10 | 1500 |
| 15 | Dalwhinnie | 1019.1 | +12 | W | 4 | c | 55 | 65 | 8 | 4 | 6 | 2 | 2-3 | 7-8 | 4000 |
| | Aberdeen | 1016.8 | +2 | NWN | 3 | c | 54 | 55 | 9 | 1 | 3 | – | Tr | 7-8 | 1500 |
| | Wick | 1015.0 | −2 | SSW | 3 | c | 51 | 85 | 8 | 5 | 7 | – | 7-8 | 9 | 1500 |
| 16 | Lerwick | 1010.5 | −12 | SW | 6 | c | 46 | 85 | 8 | 8 | 2 | – | 7-8 | 10 | 1500 |
| 17 | Blacksod Point | 1027.5 | +14 | W'N | 4 | id | 51 | 97 | 7 | 6 | – | – | 10 | 10 | <150 |
| 18 | Malin Head | 1025.2 | +16 | W'N | 4 | c/f | 50 | 97 | 5 | 6 | 1 | – | 7-8 | 9+ | 800 |
| | Aldergrove | 1023.2 | +6 | NW | 4 | c | 56 | 75 | 8 | 5 | – | 2 | 4-6 | 9 | 2500 |
| 19 | Birr Castle | 1026.5 | +6 | WNW | 2 | c | 56 | 75 | 8 | 5 | 7 | – | 4-6 | 9 | 1500 |
| 20 | Valentia Obsy. ‡ | 1030.5 | +2 | NW | 4 | c | 53 | 85 | 8 | 5 | – | – | 9+ | 9+ | 1500 |
| | Roches Point | 1028.5 | * | NNW | 5 | c, | 53 | 92 | 8 | 8 | 1 | – | 7-8 | 10 | 1500 |

### OBSERVATIONS at 18h. G.M.T. 5th April

| District | Stations | Barom. at M.S.L. mb. (15) | Change in 3 hours (16) | Wind Direc. (17) | Wind Force 0–12 (18) | Weather (19) | °F. Temp. (20) | % Humid. (21) | Visibility 0–9 (22) | Cloud Form Low (23) | Cloud Form Med. (24) | Cloud Form High (25) | Amount Low 0–10 (26) | Amount Total 0–10 (27) | Height of Base (feet) (28) | State of Ground 0–9 (29) | Sea 0–9 (30) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | London (Kew) | 1023.3 | +2 | SW | 3 | $z_o$ | 52 | 85 | 5 | 5 | – | – | 10 | 10 | 1500 | 1 | • |
| | Croydon | 1023.9 | 0 | WSW | 3 | $id_o$ | 50 | 92 | 6 | 5 | 7 | – | 7-8 | 10 | 2500 | 0 | • |
| | S. Farnborough | 1023.6 | −2 | W | 2 | c/r | 51 | 85 | 7 | 5 | 7 | – | 9 | 10 | 2500 | 0 | • |
| | Boscombe Down | 1024.3 | −2 | WNW | 4 | c | 52 | 85 | 7 | 5 | 7 | – | 9+ | 9+ | 1500 | 0 | • |
| | Calshot (Sthmtn.) | 1024.3 | −10 | W'N | 2 | c | 53 | 85 | 7 | 5 | 7 | – | 9 | 10 | 2500 | 1 | 1 |
| | Lympne | 1023.2 | −6 | W | 3 | c | 50 | 75 | 7 | 5 | 7 | – | 4-6 | 9+ | 4000 | 0 | § 3 |
| | Manston | 1022.3 | −2 | W'N | 3 | o | 51 | 75 | 6 | 5 | – | – | 10 | 10 | 2500 | 0 | • |
| 2 | Shoeburyness | 1022.5 | 0 | W | 3 | c | 53 | 75 | 6 | 5 | 2 | | 4-6 | 10 | 800 | 0 | • |
| | Felixstowe | 1021.7 | 0 | W | 3 | o/d | 52 | 75 | 7 | 5 | – | – | 10 | 10 | 1500 | 0 | 2 |
| | Gorleston | 1020.7 | +2 | W'S | 2 | c | 50 | 92 | 6 | 5 | – | – | 9+ | 9+ | 2500 | 1 | 2 |
| | Mildenhall | 1021.5 | +2 | W | 3 | c/d | 51 | 92 | 6 | 5 | 2 | – | 7-8 | 10 | 2500 | 1 | • |
| | Cranwell | 1021.0 | +6 | W'N | 3 | $z_o$ | 54 | 75 | 6 | 7 | – | – | 4-6 | 4-6 | 5700 | 1 | • |
| 3 | Birmingham | 1023.4 | +8 | NW | 4 | c | 52 | 75 | 6 | 5 | – | – | 9 | 9 | 2500 | 0 | • |
| | Upper Heyford | 1025.6 | +6 | NW | 4 | c | 53 | 75 | 7 | 5 | – | 1 | 9 | 9+ | 2500 | 0 | • |
| 4 | Ross-on-Wye | 1025.9 | +4 | W'N | 3 | c | 55 | 65 | 8 | 5 | – | 2 | 4-6 | 7-8 | 2500 | 0 | • |
| 5 | Bristol | 1024.8 | +2 | W | 3 | c | 51 | 92 | 7 | 7 | 7 | 4 | 4-6 | 7-8 | 1500 | 0 | • |
| | Portland Bill | 1024.8 | −10 | W | 3 | c | 50 | 85 | 8 | 4 | 4 | – | 4-6 | 7-8 | 2500 | 1 | 3 |
| | Plymouth | 1026.6 | −4 | NW'W | 4 | c | 53 | 85 | 7 | 8 | 4 | 2 | 2-3 | 9 | 1500 | 0 | 2 |
| | The Lizard | 1028.4 | 0 | WNW | 4 | c | 50 | 92 | 8 | 8 | 4 | – | 9 | 10 | 1500 | 0 | 2 |
| | Scilly (St. Mary's) | 1029.2 | −4 | NW'W | 5 | c | 51 | 92 | 8 | 5 | 7 | – | 4-6 | 9 | 2500 | 1 | 3 |
| | Guernsey | 1027.3 | −6 | W'S | 3 | o | 49 | 92 | 7 | 5 | – | – | 10 | 10 | 2500 | 0 | 2 |
| 6 | Pembroke | 1026.8 | 0 | WNW | 3 | c | 50 | 92 | 7 | 5 | 7 | – | 4-6 | 9+ | 2500 | 1 | 2 |
| 7 | Holyhead | 1024.4 | +10 | W'N | 3 | bc | 53 | 75 | 8 | 5 | – | 8 | 1 | 4-6 | 2500 | 1 | 2 |
| | Chester (Sealand) | 1024.0 | +6 | NW'W | 4 | c | 53 | 85 | 7 | 5 | – | – | 7-8 | 7-8 | 2500 | 0 | • |
| 8 | Manchester | 1023.0 | +14 | WNW | 4 | $z_o$ | 51 | 85 | 6 | 8 | 4 | 1 | 2-3 | 4-6 | 2500 | 1 | • |
| 10 | Spurn Head | 1020.0 | +4 | NW'W | 3 | c | 50 | 92 | 6 | 5 | 1 | – | 7-8 | 9 | 2500 | 0 | 2 |
| | Catterick | 1019.8 | +6 | WNW | 4 | bc | 56 | 65 | 8 | – | 4 | 2 | 0 | 4-6 | – | 0 | • |
| | Tynemouth | 1019.9 | +2 | W | 5 | bc | 51 | 85 | 6 | 2 | – | – | 4-6 | 4-6 | 1500 | 1 | 1 |
| 11 | St. Abbs Head | 1016.7 | −6 | WNW | 5 | bc | 55 | 85 | 7 | 7 | 4 | 1 | 2-3 | 4-6 | 4000 | 0 | 3 |
| | Leuchars | 1017.3 | +10 | W | 5 | bc | 58 | 65 | 9 | 7 | – | – | 4-6 | 4-6 | 4000 | 0 | • |
| 12 | Renfrew (Abbots I.) | 1020.9 | +8 | W'N | 4 | c | 52 | 92 | 8 | 5 | – | – | 9+ | 9+ | 1500 | 0 | • |
| | Eskdalemuir | 1019.5 | −4 | WNW | 7 | bc | 49 | 75 | 8 | 5 | 4 | 1 | 2-3 | 2-3 | 1500 | 1 | • |
| | Point of Ayre | 1023.6 | +4 | NW'W | 4 | c | 51 | 92 | 8 | 5 | – | – | 9+ | 9+ | 1500 | 0 | 2 |
| 13A | Tiree | 1021.3 | +10 | W | 4 | c | 49 | 92 | 7 | 5 | 2 | – | 9+ | 10 | 450 | 1 | 3 |
| 13B | Stornoway | 1015.8 | 0 | W | 6 | c | 50 | 92 | 7 | 5 | 2 | – | 7-8 | 10 | 1500 | 1 | 3 |
| 15 | Dalwhinnie | 1018.9 | −2 | W | 5 | c | 48 | 85 | 7 | 4 | 6 | – | 4-6 | 7-8 | 1500 | 0 | • |
| | Aberdeen | 1015.0 | −8 | W'N | 4 | c | 58 | 55 | 8 | 7 | – | 1 | 7-8 | 7-8 | 4000 | 0 | 1 |
| | Wick | 1013.1 | −6 | W | 5 | c | 50 | 92 | 8 | 6 | 2 | – | 7-8 | 10 | 1500 | 1 | 2 |
| 16 | Lerwick | 1006.5 | −4 | WSW | 7 | $r_or_o$ | 47 | 97 | 6 | 6 | 2 | – | 7-8 | 10 | 450 | 1 | • |
| 17 | Blacksod Point | 1027.7 | 0 | W | 4 | id | 50 | 97 | 6 | 6 | – | – | 10 | 10 | <150 | 0 | 3 |
| 18 | Malin Head | 1023.9 | 0 | W | 4 | c/d | 49 | 97 | 5 | 8 | – | – | 9 | 9 | 800 | 1 | 2 |
| | Aldergrove | 1024.0 | +2 | WNW | 3 | c | 53 | 85 | 8 | 5 | – | – | 9+ | 9+ | 1500 | 1 | • |
| 19 | Birr Castle | 1026.9 | +8 | W | 2 | c | 52 | 92 | 8 | 5 | – | – | 10 | 10 | 2500 | 1 | • |
| 20 | Valentia Obsy. ‡ | 1030.8 | +2 | NW'W | 3 | c | 52 | 85 | 8 | 5 | – | – | 10 | 10 | 1500 | 1 | 2 |
| | Roches Point | 1028.2 | * | NNW | 5 | c | 52 | 92 | 8 | 5 | – | – | 9+ | 9+ | 1500 | 0 | 2 |

### PAST 24 HOURS. WEATHER.

| District | Stations | 7h.—13h. 5th (37) | 13h.—18h. 5th (38) | 18h. 5th to 1h. 6th (39) | 1h.—7h. 6th (40) |
|---|---|---|---|---|---|
| 1 | London (Kew) | $cr_ocz_o$ | $cz_or_ocm_o$ | $cm_obw$ | $bwcm_o$ |
| | Croydon | $r_oir_oc$ | $cir_oid_o$ | $cd_obm_ow$ | $bwcm_oc$ |
| | S. Farnborough | $bcir_oc$ | $cr_oc$ | cbcb | bbcc |
| | Boscombe Down | $cir_oc$ | $cir_oc$ | $cbm_ow$ | $bm_ocw$ |
| | Calshot (Sthmtn.) | $cm_ocir_oc$ | $cir_oc$ | bcw | $bccm_ow$ |
| | Lympne | bcc | $cir_oc$ | $cd_obr_o$ | $bm_owcm_o$ |
| | Manston | $bcm_oc$ | $cir_or_om_o$ | $obcbm_o$ | $bcm_ow$ |
| 2 | Shoeburyness | $bc,r_ocz_o$ | $cz_od_oo$ | $z_oc$ | $wm_oc$ |
| | Felixstowe | bcc | $cid_oir_o$ | $cid_obcb$ | $bbccm_o$ |
| | Gorleston | $coir_o$ | $oir_oc$ | $cz_oz_o$ | $cz_oz_o$ |
| | Mildenhall | $cir_oc$ | $cid_oir_o$ | $cm_o, bm_o$ | $bw, cm_ow$ |
| | Cranwell | $cid_om_od_o$ | $cbcm_o$ | $bcm_obm_o$ | bw |
| 3 | Birmingham | $cpr_o$ | c | cbcc | c |
| | Upper Heyford | $cr_oc$ | $cr_oc$ | $cbm_o$ | c |
| 4 | Ross-on-Wye | $d_oc$ | c | bcbb | bbcb |
| 5 | Bristol | $bcpr_oc$ | cbc | bcbbc | bcew |
| | Portland Bill | c | c | b | bbc |
| | Plymouth | $cm_oc$ | $cid_obc$ | $cbcm_o$ | $cm_oc$ |
| | The Lizard | c | c | c | c |
| | Scilly (St. Mary's) | c | cbcc | cbc | bccoc |
| | Guernsey | c | co | ocbc | bcwbc |
| 6 | Pembroke | $cir_oq$ | cq | cbcw | bcqc |
| 7 | Holyhead | c | cbc⊕ | bcc | cb |
| | Chester (Sealand) | $cr_od_oDm$ | $cDm_o$ | bcc | c |
| 8 | Manchester | $cm_od_od_oc$ | cbc | $cd_od_om_o$ | $cd_om_ocm_o$ |
| 10 | Spurn Head | brc | co | $cbz_o$ | bcc |
| | Catterick | c | cbcby | bcbbc | bc |
| | Tynemouth | $cp_oc$ | cbc | bc | bc |
| 11 | St. Abbs Head | c | bc | bcb | bbcq |
| | Leuchars | cbc | bcybc | bcbbc | bccq |
| 12 | Renfrew (Abbots I.) | cbcc | bcvc | c | c |
| | Eskdalemuir | $cd_od_oc$ | cbc | bccdd | $d_oid_o$ |
| | Point of Ayre | $d_odc$ | c | cbcbc | bcc |
| 13A | Tiree | $cid_om_oo$ | $om_odd$ | c | c |
| 13B | Stornoway | $cd_od_o$ | $cr_or_o$ | $cd_od_o$ | $cd_od_o$ |
| 15 | Dalwhinnie | cbc | bcc | * | ciro |
| | Aberdeen | $cpr_obc$ | $bcycr_o$ | bcyb, c | c |
| | Wick | c | c | cidcq | $d_odc$ |
| 16 | Lerwick | bcc | $cirr_or_o$ | $cr_or_o$ | c |
| 17 | Blacksod Point | id | id | idc | c |
| 18 | Malin Head | cmm | cidfc | $cid_occ$ | c |
| | Aldergrove | $cm_oc$ | c | $ccid_oc$ | cbcc |
| 19 | Birr Castle | $oir_oc$ | c | c | c |
| 20 | Valentia Obsy. ‡ | $oid_oc$ | c | c | c |
| | Roches Point | $cpr_oc$ | c | c | c |

## EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

### COLUMNS 5, 19, 37, 38, 39, 40—BEAUFORT NOTATION AND SYMBOLS FOR WEATHER.

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog „ less than 220 yds.
fs, low fog over sea (coast station).
fg, low fog over land (inland station).
m, mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jf, fog at a distance, but not at station.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/s₀, slight storm of drifting snow (generally low).
k/S, heavy storm of drifting snow (generally low).
s₀/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze: the turbid atmosphere of dry weather.
h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus R, heavy rain. $r_o$, slight rain. rr, continuous rain.
<, less than (for cloud height).
⊕, Solar halo. ⦶ lunar halo. ⸝ gale.
With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions thus—bc/r, fair weather after rain; —, has decreased; +, has increased.

### COLUMNS 9, 23.—FORM OF LOW CLOUD.

0 No low clouds.
1 Fair weather Cu.
2 Large Cu without anvil.
3 Cb.
4 Sc formed by the spreading out of Cu.
5 Layer of St or Sc.
6 Ragged low clouds of bad weather (or fractonimbus).
7 Fair weather Cu. and Sc.
8 Large-Cu (or Cb) and Sc.
9 Large-Cu (or Cb) and ragged low clouds of bad weather.

### COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4–6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries. "tr" signifies a small amount of cloud (trace) covering less than 1/20 of the sky. "9+" signifies an overcast sky with a few small openings.

### COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

0 No medium clouds.
1 Typical As (thin).
2 Typical As (thick) (sun or moon invisible), or Nimbostratus (Ns).
3 Single layer of Ac or high Sc.
4 Ac in isolated patches. Individually decreasing (often lenticular).
5 Ac in bands (increasing).
6 Ac formed from the spreading out of Cu.
7 Ac associated with As or As with parts resembling Ac.
8 Ac Castellatus (or Ac in ragged fragments).
9 Ac in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

### COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

0 No cirriform cloud.
1 Fine Ci not increasing: sparse.
2 Fine Ci not increasing: abundant but not a continuous layer.
3 Anvil Ci (usually dense).
4 Fine Ci increasing: usually in tufts.
5 Ci or Cs increasing: still below 45° altitude: often in polar bands.
6 Ci or Cs increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Cs covering whole sky.
8 Cs not increasing and not covering whole sky.
9 Cc predominating, and a little cirrus.
(Cc may occur with any of the types 1 to 8.)

Cloud form abbreviations:—
Cirrus,–Ci: Cirrocumulus,–Cc: Cirrostratus,–Cs: Altocumulus,–Ac: Altostratus,–As
Stratocumulus,–Sc: Stratus,–St: Nimbostratus,–Ns: Cumulus,–Cu: Cumulonimbus,–Cb

### COLUMN 29.—STATE OF GROUND.

0 .. Ground dry.
1 .. „ wet.
2 .. „ flooded.
3 .. „ frozen hard and dry.
4 .. „ partly covered with snow or hail.
5 .. „ covered with ice or glazed frost.
6 .. Ground covered with thawing snow.
7 .. „ covered with snow, less than 6 ins., deep but ground not frozen.
8 .. „ covered with snow, less than 6 ins., but ground frozen.
9 .. „ covered with snow greater than 6 ins. deep.

*Note.—The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

§ Sea disturbance reported from Dungeness.

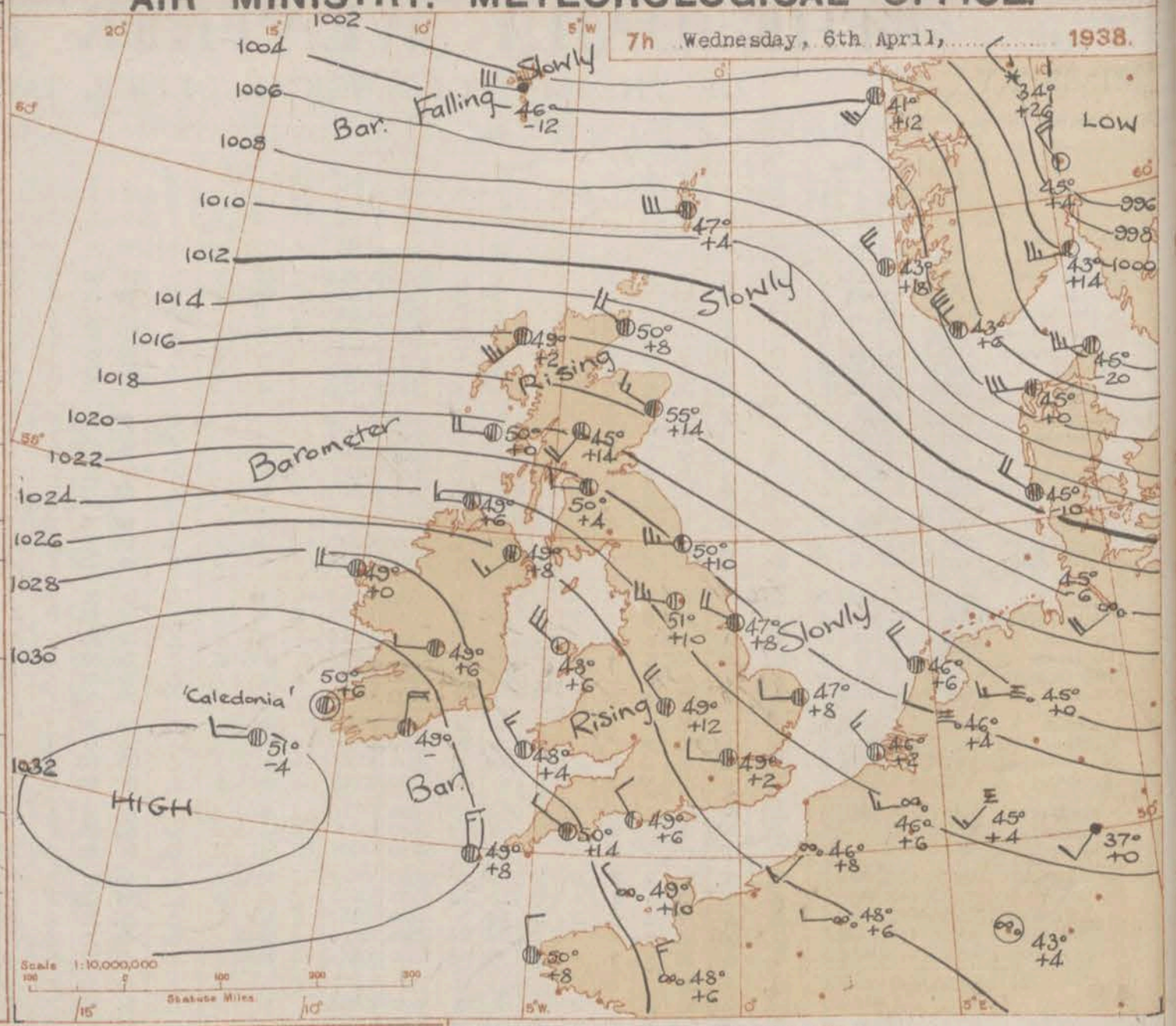
REPORTS from HEALTH RESORTS for 5th April 1938.

| Districts. | Stations. | Weather. Forenoon. | Weather. Afternoon. | Temperature. (°F.) Min. 9h. 4th to 9h. 5th | Temperature. (°F.) Max. 9h.—17h. 4th | Rainfall. (mm.) Night. 17h. 4th to 9h. 5th | Rainfall. (mm.) Day. 9h.—17h. 5th | Sunshine. (Hrs.) Sunrise to 17h. 5th | Sunshine. (Hrs.) Sunrise to Sunset. 4th |
|---|---|---|---|---|---|---|---|---|---|
| 1 | Tunbridge W. | bpc | coc | 27 | 54 | – | Tr | 1·2 | 7·5 |
| | Bournemouth | c | oc | 36 | 53 | – | – | 1·3 | 5·2 |
| | Ventnor ... | bcoc | ou | 33 | 51 | – | – | 1·3 | 8·6 |
| | Southsea ... | c | cfoc | 38 | 53 | – | Trace | 0·6 | 6·6 |
| | Bognor Regis | bcc | coif | 35 | 52 | – | Trace | 1·0 | 6·3 |
| | Littlehampton | bcc | c | 35 | 52 | – | – | 1·1 | 7·7 |
| | Worthing ... | cfo | c | 35 | 53 | – | Trace | 1·3 | 8·7 |
| | Brighton ... | cbc | c | 37 | 51 | – | – | 1·7 | 7·4 |
| | Eastbourne† ... | bbcc | cbcc | 39 | 52 | – | – | 3·4 | 8·2 |
| | Hastings† ... | bbcc | oc | 34 | 52 | – | – | 4·1 | 7·8 |
| | Folkestone ... | bbcco | oco | 37 | 51 | – | – | 3·3 | 7·2 |
| | Dover ... | bcc | cofo | 36 | 52 | – | Trace | 3·4 | 7·4 |
| | Deal ... ... | bccoc | o | 38 | 55 | – | – | 3·4 | 6·6 |
| | Ramsgate ... | bcco | o | 39 | 54 | – | – | 3·6 | 8·2 |
| | Margate ... | bcc | cdo | 37 | 54 | – | Trace | 2·7 | 8·8 |
| 2 | Southend ... | c | cdoc | 37 | 53 | – | Trace | 1·3 | 7·0 |
| | Clacton-on-Sea | bcc | cbo | 35 | 53 | – | Trace | 2·6 | 5·2 |
| | Dovercourt ... | bc | bcoc | 36 | 52 | – | – | 2·5 | 5·2 |
| | Lowestoft ... | bccpr | cpr | 35 | 55 | Trace | 0·3 | 0·6 | 7·5 |
| | Skegness ... | bcc | cbc | 35 | 56 | 0·5 | – | 0·0 | 4·8 |
| | Mablethorpe... | brc | cbcc | 35 | 56 | 0·3 | – | 0·1 | 5·5 |
| | Cleethorpes ... | cbc | cbc | 39 | 56 | Trace | – | 0·3 | 6·0 |
| 3 | Leamington S. | o | oc | 33 | 55 | Trace | – | 0·0 | 4·2 |
| 4 | Cheltenham† | oc | cbcc | 33 | 57 | 0·3 | – | 0·5 | 5·0 |
| 5 | Bath ... ... | c | cbc | 38 | 54 | Trace | – | 0·8 | * |
| | Weymouth ... | c | ccb | 40 | 53 | – | – | 1·1 | 3·7 |
| | Jersey ... | bbc | bcc | 41 | 53 | – | – | 6·5 | 3·0 |
| | Torquay ... | c | c | 38 | 58 | – | – | 1·6 | 7·9 |
| | Falmouth | c | c | 42 | 55 | – | – | 0·8 | 9·1 |
| | Penzance ... | cbc | c | 45 | 56 | – | – | 1·6 | 8·3 |
| | St. Ives ... | c | o | 41 | 54 | – | – | 0·0 | 10·2 |
| | Bude... ... | c | c | 45 | 51 | – | – | 0·1 | 7·4 |
| | Ilfracombe ... | co | cbcco | 44 | 50 | – | – | 0·0 | 8·8 |
| 6 | Aberystwyth | prc | c | 41 | 50 | 2 | – | 0·0 | 6·5 |
| 7 | Llandudno ... | fogc | c | 45 | 53 | 2 | Trace | 0·5 | 6·1 |
| | Colwyn Bay... | ododo | obc | 44 | 56 | 1 | 0·3 | 0·5 | 6·3 |
| | Rhyl ... ... | cdoc | cbcc | 44 | 54 | 0·3 | Trace | 1·1 | 6·8 |
| 8 | Wallasey ... | ocdo | c | 43 | 52 | 0·3 | Trace | 0·3 | 4·5 |
| | Southport ... | cdc | cbcb | 44 | 54 | 1 | Trace | 2·3 | 6·5 |
| | Blackpool ... | ormoc | cbcb | 43 | 53 | 1 | – | 3·2 | 6·6 |
| | Morecambe ... | idcbc | cbc | 45 | 53 | 1 | Trace | 4·6 | 5·1 |
| 9 | Ilkley... ... | c | c | 41 | 58 | 0·4 | – | 1·0 | 4·8 |
| | Harrogate ... | c | cb | 40 | 59 | Trace | – | 2·5 | 6·1 |
| 10 | Berwick-on-T. | obc | cbcb | 43 | 59 | 1 | Trace | 3·8 | 3·3 |
| 11 | Dunbar ... | cmo | bcmo | 43 | 61 | – | – | 5·1 | 5·1 |
| 12 | Troon... ... | cbccb | cbbcb | 44 | 54 | 1 | – | 3·0 | 4·6 |
| | Douglas ... | bcid | bcid | 43 | 55 | 3 | Trace | 4·4 | 2·7 |

* Max. Temp. for period 21h. yesterday to 17h. to-day: Min. Temp. 21h.–9h.

# AIR MINISTRY. METEOROLOGICAL OFFICE.

7h Wednesday, 6th April, 1938.




BAROMETER. Isobars are drawn for intervals of two millibars.
WIND, WEATHER SYMBOLS. For explanation see opposite page.
SEA DISTURBANCE. Rough. High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

| Districts. | FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 6th April, 1938. |
|---|---|
| 1 S.E. England<br>2 E. England ...<br>3 E. Midlands ...<br>4 W. Midlands... | Wind west, light or moderate; fair with sunny intervals; mild. |
| 5 S.W. England<br>6 South Wales ...<br>7 North Wales ...<br>8 N.W. England | Wind west, moderate or fresh locally; cloudy, local mist or drizzle on coasts; fair inland; mild. |
| 9 N. Midlands ...<br>10 N.E. England<br>11 S.E. Scotland | As 1 - 4. |
| 12 S.W. Scotland & Isle of Man. | As 5 - 8. |
| 13 A. W. Scotld. / B. N.W. Scotland. | Wind west, fresh or strong; cloudy, occasional rain or drizzle; mild. |
| 14 Mid Scotland | As 5 - 8. |
| 15 N. E. Scotland<br>16 Orkney and Shetland | As 13B. |
| 17 N. W. Ireland | As 5 - 8. |
| 18 N. E. Ireland<br>19 S. E. Ireland | As 1 - 4. |
| 20 S. W. Ireland | As 5 - 8. |

H.M. Stationery Office Press, Kingsway, W.C.2

## GENERAL INFERENCE

An anticyclone off our southwest coasts is stationary and disturbances are passing north of the British Isles. Weather will be mild and cloudy but with considerable sunny periods to the east of hilly districts.

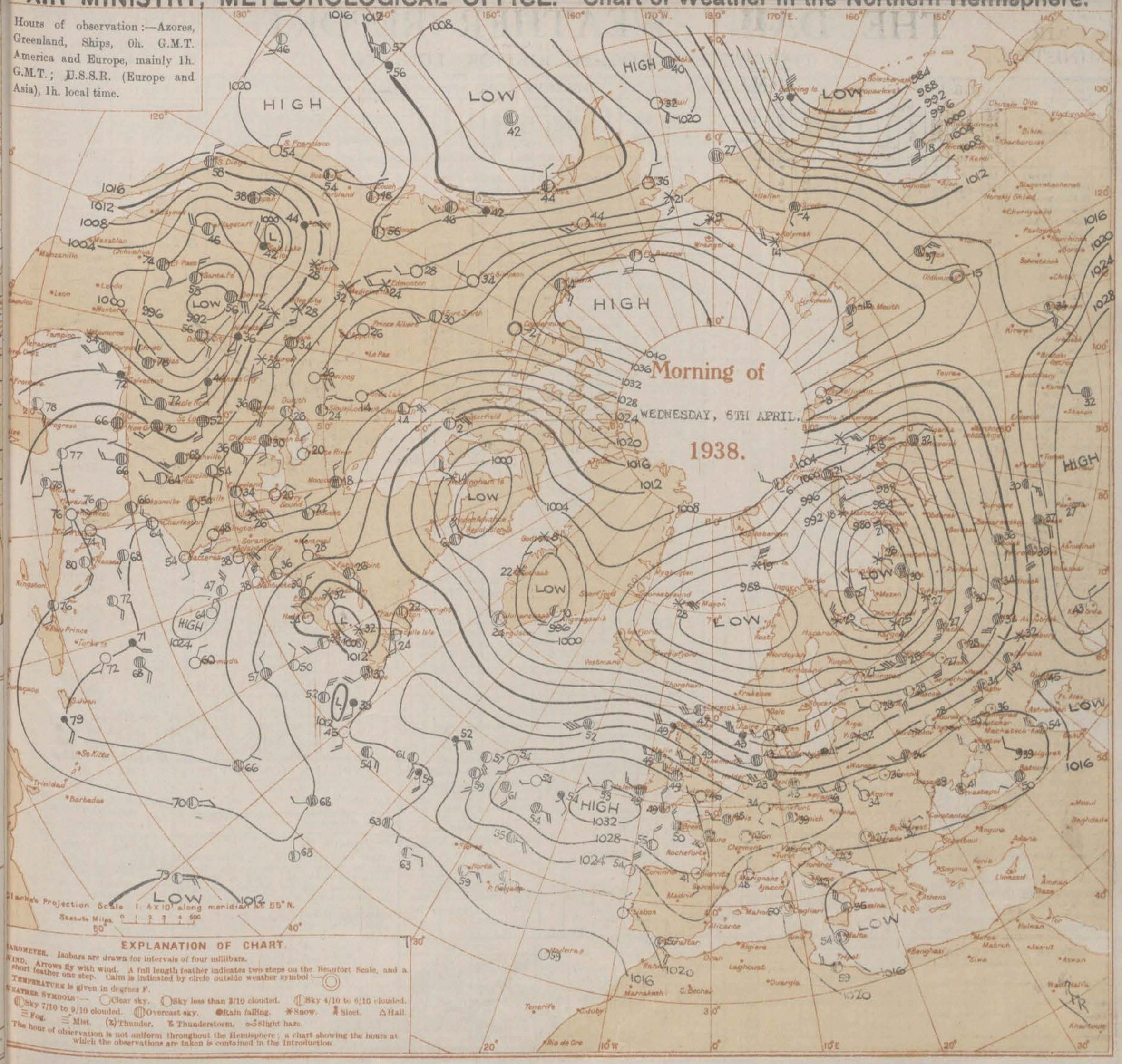
## FURTHER OUTLOOK.

Mild and mainly fair in the South.

Forecasts issued at 1030 G.M.T.

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S., Director.

# AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.



AIR MINISTRY.

# THE DAILY WEATHER REPORT

## OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Wednesday, 6th April. 1938
No. 27894.

### OBSERVATIONS at 1 hr. G.M.T. 6th April

| District | Stations | Height above M.S.L. in feet | Barom. at M.S.L. mb. (1) | Change in 3 hours (2) | Wind Direc. (3) | Wind Force 0–12 (4) | Weather (5) | Temp. °F. (6) | Humid. % (7) | Visibility 0–9 (8) | Cloud Form Low (9) | Cloud Form Med. (10) | Cloud Form High (11) | Cloud Amount Low 0–10 (12) | Cloud Amount Total 0–10 (13) | Height of Base (feet) (14) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | London (Kew) | 18 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Croydon ... | 217 | 1024.9 | +2 | W'N | 2 | zo | 46 | 92 | 6 | - | - | - | 0 | 0 | - |
| | S. Farnborough | 226 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Boscombe Down | 417 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Calshot (Sthmtn.) | 8 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Lympne ... | 346 | 1024.4 | 0 | NW | 2 | b | 45 | 92 | 6 | - | - | - | 0 | 0 | - |
| | Manston ... | 142 | 1023.6 | +2 | NWW | 2 | zo | 45 | 92 | 6 | - | - | - | 0 | 0 | - |
| 2 | Shoeburyness ... | 11 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Felixstowe ... | 15 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Gorleston ... | 5 | 1021.6 | 0 | WSW | 3 | c | 47 | 85 | 5 | 5 | - | - | 7-8 | 7-8 | 2500 |
| | Mildenhall ... | 19 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Cranwell ... | 240 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 3 | Birmingham ... | 535 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Upper Heyford | 408 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 4 | Ross-on-Wye | 223 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 5 | Bristol ... | 209 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Portland Bill ... | 32 | 1026.1 | +6 | W | 3 | b | 48 | 65 | 8 | - | - | - | 0 | 0 | - |
| | Plymouth ... | 82 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | The Lizard ... | 240 | 1029.0 | 0 | NW | 2 | c | 49 | 92 | 7 | 4 | - | - | 7-8 | 7-8 | 2500 |
| | Scilly (St. Mary's) | 163 | 1029.7 | -4 | N'W | 4 | bc | 49 | 82 | 8 | 5 | - | - | 2-3 | 2-3 | 2500 |
| | Guernsey ... | 175 | 1027.7 | -2 | W'N | 3 | bc | 48 | 92 | 7 | - | 7 | - | 0 | 2-3 | - |
| 6 | Pembroke ... | 142 | 1028.0 | +2 | WNW | 3 | bc | 49 | 92 | 7 | 5 | - | - | 4-6 | 4-6 | 2500 |
| 7 | Holyhead ... | 26 | 1026.5 | +6 | WNW | 4 | c | 49 | 85 | 8 | 5 | 7 | 8 | 4-6 | 10 | 2500 |
| | Chester (Sealand) | 16 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 8 | Manchester ... | 70 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 10 | Spurn Head ... | 29 | 1020.9 | +2 | WNW | 5 | b | 48 | 92 | 7 | - | - | - | 0 | 0 | - |
| | Catterick ... | 175 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Tynemouth ... | 108 | 1019.8 | 0 | W | 4 | bc | 49 | 85 | 7 | 2 | - | - | 4-6 | 4-6 | 1500 |
| 11 | St. Abbs Head ... | 260 | 1017.3 | 0 | W | 6 | q | 50 | 92 | 8 | - | 3 | - | 0 | 2-3 | - |
| | Leuchars ... | 36 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 12 | Renfrew (Abbots I.) | 19 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Eskdalemuir ... | 794 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Point of Ayre ... | 30 | 1024.8 | +2 | WNW | 3 | bc | 48 | 92 | 8 | 4 | - | - | 4-6 | 4-6 | 2500 |
| 13A | Tiree ... | 22 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 13B | Stornoway ... | 80 | 1016.4 | 0 | W | 6 | dodo | 49 | 97 | 7 | 5 | 2 | - | 4-6 | 10 | 1500 |
| 15 | Dalwhinnie ... | 1176 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Aberdeen ... | 79 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Wick ... | 81 | 1013.7 | +6 | WNW | 6 | c | 50 | 85 | 7 | 8 | 1 | - | 7-8 | 9+ | 1500 |
| 16 | Lerwick ... | 156 | 1007.9 | +14 | WSW | 6 | c | 47 | 75 | 7 | 8 | 2 | - | 7-8 | 10 | 800 |
| 17 | Blacksod Point | 18 | 1028.4 | 0 | W | 4 | c | 50 | 92 | 8 | 5 | - | - | 10 | 10 | 1500 |
| 18 | Malin Head ... | 84 | 1024.8 | +6 | W | 4 | c | 49 | 85 | 6 | 8 | - | - | 9 | 9 | 1500 |
| | Aldergrove ... | 268 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 19 | Birr Castle ... | 173 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 20 | Valentia Obsy. † | 30 | 1031.5 | 0 | WNW | 3 | o | 49 | 97 | 8 | 5 | - | - | 10 | 10 | 1500 |
| | Roches Point | 22 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |

### OBSERVATIONS at 7 hr. G.M.T. 6th April

| Stations | Barom. at M.S.L. mb. (15) | Change in 3 hours (16) | Wind Direc. (17) | Wind Force 0–12 (18) | Weather (19) | Temp. °F. (20) | Humid. % (21) | Visibility 0–9 (22) | Cloud Form Low. (23) | Cloud Form Med. (24) | Cloud Form High (25) | Cloud Amount Low 0–10 (26) | Cloud Amount Total 0–10 (27) | Height of Base (feet) (28) | State of Ground 0–9 (29) | Sea 0–9 (30) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| London (Kew) | 1025.3 | +6 | W'S | 2 | zo | 49 | 85 | 5 | 5 | - | - | 9+ | 9+ | 4000 | 1 | * |
| Croydon | 1025.1 | +2 | W'N | 2 | c | 49 | 85 | 7 | 5 | - | - | 9+ | 9+ | 4000 | 0 | * |
| S. Farnborough | 1025.6 | +6 | W'N | 2 | c | 48 | 85 | 7 | 5 | - | - | 10 | 10 | 2500 | 0 | * |
| Boscombe Down | 1027.1 | +10 | WNW | 2 | c | 47 | 97 | 7 | 5 | - | - | 10 | 10 | 2500 | 0 | * |
| Calshot (Sthmtn.) | 1026.7 | +10 | SSW | 2 | zo | 44 | 97 | 6 | 5 | - | - | 9 | 9 | 4000 | 1 | 1 |
| Lympne | 1025.1 | +10 | W | 2 | zo | 45 | 92 | 5 | 5 | 7 | - | 7-8 | 9+ | 2500 | 0 | §2 |
| Manston | 1024.0 | +2 | WNW | 3 | zo | 48 | 85 | 5 | 5 | - | - | 10 | 10 | 2500 | 0 | * |
| Shoeburyness | 1024.2 | +6 | W'N | 3 | c | 49 | 85 | 6 | 5 | - | - | 10 | 10 | 2500 | 0 | * |
| Felixstowe | 1023.4 | +4 | W | 2 | zo | 47 | 92 | 6 | 5 | - | - | 9+ | 9+ | 4000 | 0 | 2 |
| Gorleston | 1022.4 | +8 | W | 2 | c | 47 | 85 | 5 | 5 | - | - | 9 | 9 | 2500 | 0 | 2 |
| Mildenhall | 1023.7 | +10 | W | 2 | zo | 47 | 97 | 5 | 5 | - | - | 9+ | 9+ | 4000 | 1 | * |
| Cranwell | 1023.4 | +8 | W'S | 4 | b | 47 | 92 | 7 | - | 4 | 4 | 0 | Tr | - | 1 | * |
| Birmingham | 1025.4 | +12 | NW | 4 | c | 49 | 85 | 6 | 5 | - | - | 9+ | 9+ | 2500 | 0 | * |
| Upper Heyford | 1025.5 | +8 | NW | 3 | c | 49 | 85 | 8 | 5 | - | - | 9 | 9 | 2500 | 0 | * |
| Ross-on-Wye | 1026.6 | +10 | SW | 2 | b | 50 | 75 | 8 | 4 | - | - | Tr | Tr | 4000 | 0 | * |
| Bristol | 1027.1 | +4 | W'S | 1 | c | 49 | 92 | 7 | 5 | 7 | - | 9 | 9+ | 1500 | 0 | * |
| Portland Bill | 1027.2 | +6 | NW | 2 | bc | 49 | 92 | 7 | 4 | - | - | 2-3 | 2-3 | 2500 | 1 | 3 |
| Plymouth | 1028.6 | +14 | WNW | 1 | c | 50 | 92 | 7 | 5 | - | - | 9+ | 9+ | 1500 | 0 | 0 |
| The Lizard | 1029.4 | +10 | NW | 3 | c | 49 | 92 | 8 | 5 | 2 | - | 9 | 10 | 1500 | 0 | 2 |
| Scilly (St. Mary's) | 1030.1 | +8 | N'W | 3 | c | 49 | 92 | 7 | 5 | - | - | 10 | 10 | 1500 | 0 | 2 |
| Guernsey | 1027.7 | +10 | NW | 1 | zo | 49 | 97 | 6 | 5 | - | - | 4-6 | 4-6 | 2500 | 0 | 1 |
| Pembroke | 1027.4 | +4 | NW | 3 | c | 48 | 92 | 8 | 8 | - | - | 9+ | 9+ | 2500 | 1 | 3 |
| Holyhead | 1026.6 | +6 | WNW | 5 | b | 48 | 92 | 8 | 5 | - | - | Tr | Tr | 1500 | 1 | 2 |
| Chester (Sealand) | 1026.4 | +10 | WNW | 4 | c | 50 | 85 | 7 | 5 | 4 | - | 7-8 | 7-8 | 2500 | 0 | * |
| Manchester | 1025.4 | +6 | W'N | 4 | zo | 49 | 85 | 6 | 5 | - | - | 9+ | 9+ | 1500 | 1 | * |
| Spurn Head | 1021.9 | +8 | WNW | 4 | c | 47 | 92 | 7 | - | 3 | - | 0 | 7-8 | - | 0 | 3 |
| Catterick | 1022.5 | +10 | W'N | 6 | bc | 51 | 75 | 8 | 4 | - | 4 | 2-3 | 4.6 | 4000 | 0 | * |
| Tynemouth | 1020.7 | +10 | W | 5 | bc | 50 | 85 | 6 | 2 | 4 | 1 | 2-3 | 4-6 | 1500 | 1 | 1 |
| St. Abbs Head | 1019.4 | +10 | W | 5 | q | 52 | 85 | 8 | 2 | 7 | 1 | 2-3 | 4-6 | 2500 | 0 | 3 |
| Leuchars | 1018.9 | +10 | W | 5 | c | 53 | 75 | 9 | 7 | 7 | 9 | 2-3 | 7-8 | 4000 | 0 | * |
| Renfrew (Abbots I.) | 1022.1 | +4 | W | 2 | c | 50 | 85 | 7 | 5 | - | - | 9 | 9 | 1500 | 0 | * |
| Eskdalemuir | 1022.6 | +10 | W | 3 | ido | 48 | 85 | 6 | 5 | - | - | 10 | 10 | 800 | 1 | * |
| Point of Ayre | 1023.4 | +4 | NWW | 4 | c | 49 | 97 | 8 | 6 | 7 | - | 4-6 | 9+ | 800 | 0 | 2 |
| Tiree | 1021.8 | 0 | W | 4 | c | 50 | 85 | 7 | 5 | - | - | 9+ | 9+ | 2500 | 0 | 3 |
| Stornoway | 1017.0 | +2 | WSW | 5 | c | 49 | 92 | 7 | 5 | 2 | - | 4-6 | 10 | 1500 | 1 | 2 |
| Dalwhinnie | 1021.0 | +14 | SW | 4 | c | 45 | 92 | 6 | 4 | 6 | 1 | 4-6 | 9 | 1500 | 1 | * |
| Aberdeen | 1017.0 | +14 | WSW | 3 | c | 55 | 65 | 8 | 5 | 3 | - | 7-8 | 8 | 2500 | 0 | 1 |
| Wick | 1014.2 | +8 | WSW | 4 | c/d | 50 | 97 | 7 | 5 | 2 | - | 7-8 | 10 | 1500 | 1 | 2 |
| Lerwick | 1008.8 | +4 | W | 6 | c | 47 | 86 | 7 | 8 | 7 | - | 7-8 | 9+ | 1500 | 1 | * |
| Blacksod Point | 1028.4 | 0 | W | 4 | c | 49 | 92 | 7 | 5 | - | - | 10 | 10 | 800 | 0 | 3 |
| Malin Head | 1024.8 | +6 | W | 3 | c | 49 | 92 | 7 | 8 | - | - | 9+ | 9+ | 1500 | 1 | 2 |
| Aldergrove | 1026.4 | +8 | WSW | 3 | c | 49 | 85 | 7 | 5 | - | - | 9+ | 9+ | 1500 | 1 | * |
| Birr Castle | 1028.8 | +6 | W | 1 | c | 49 | 92 | 8 | 5 | - | - | 10 | 10 | 1500 | 1 | * |
| Valentia Obsy. † | 1031.3 | +6 | - | 0 | c | 50 | 85 | 8 | 5 | - | - | 10 | 10 | 1500 | 0 | 1 |
| Roches Point | 1030.5 | * | N | 4 | c | 49 | 92 | 8 | 5 | - | - | 10 | 10 | 2500 | 0 | 2 |

### PAST 24 HOURS.

| Stations | Temperature Max. Day 7h–18h °F. (31) | Temperature Min. Night 18h–7h °F. (32) | Min. on Grass °F. (33) | Rainfall Day 7h–18h mm. (34) | Rainfall Night 18h–7h mm. (35) | Sunshine 5th Hrs. (36) |
|---|---|---|---|---|---|---|
| London (Kew) | 52 | 45 | 36 | Tr | - | 0.0 |
| Croydon | 52 | 45 | 40 | Tr | Tr | 0.3 |
| S. Farnborough | 53 | 43 | 33 | Tr | - | 0.1 |
| Boscombe Down | 54 | 42 | 37 | - | Tr | 0.5 |
| Calshot (Sthmtn.) | 54 | 41 | 38 | Tr | - | 0.8 |
| Lympne | 52 | 42 | 38 | Tr | Tr | 4.0 |
| Manston | 54 | 41 | 35 | Tr | - | 3.4 |
| Shoeburyness | 55 | 43 | 35 | Tr | - | 2.0 |
| Felixstowe | 52 | 44 | 41 | Tr | Tr | 1.8 |
| Gorleston | 52 | 44 | 42 | 0.2 | - | 0.1 |
| Mildenhall | 52 | 40 | 34 | 0.1 | Tr | 0.5 |
| Cranwell | 55 | 45 | 40 | Tr | - | 1.0 |
| Birmingham | 53 | 47 | 36 | Tr | - | 0.0 |
| Upper Heyford | 53 | 35 | 31 | Tr | - | * |
| Ross-on-Wye | 58 | 48 | 39 | Tr | - | 1.1 |
| Bristol | 54 | 43 | 33 | 0.1 | - | 1.7 |
| Portland Bill | 50 | 46 | * | - | - | * |
| Plymouth | 54 | 49 | 45 | Tr | - | 1.7 |
| The Lizard | 52 | 48 | * | - | - | 2.3 |
| Scilly (St. Mary's) | 56 | 48 | * | - | - | 3.6 |
| Guernsey | | | 45 | - | - | 2.5 |
| Pembroke | 52 | 46 | * | 0.3 | - | 0.7 |
| Holyhead | 55 | 47 | 45 | - | - | 5.1 |
| Chester (Sealand) | 54 | 48 | 45 | Tr | - | 0.5 |
| Manchester | 53 | 48 | 45 | 0.4 | Tr. | 0.2 |
| Spurn Head | 53 | 46 | * | 0.3 | - | 0.3 |
| Catterick | 59 | 49 | 45 | - | - | 4.7 |
| Tynemouth | 57 | 49 | 44 | Tr | - | 3.1 |
| St. Abbs Head | 58 | 48 | * | Tr | - | * |
| Leuchars | 64 | 50 | 45 | - | - | 0.4 |
| Renfrew (Abbots I.) | 57 | 49 | 47 | - | - | 4.7 |
| Eskdalemuir | 57 | 47 | 44 | 0.5 | Tr | 6.0 |
| Point of Ayre | 54 | 47 | * | 0.1 | - | 5.3 |
| Tiree | 52 | 48 | * | 0.4 | - | 1.0 |
| Stornoway | 53 | 48 | * | Tr | 0.1 | 0.5 |
| Dalwhinnie | 56 | 45 | 42 | - | Tr | 7.2 |
| Aberdeen | 60 | 52 | 49 | Tr | - | 1.5 |
| Wick | 55 | 48 | * | Tr | 0.6 | * |
| Lerwick | 48 | 44 | * | 1 | 1 | 3.1 |
| Blacksod Point | 52 | 48 | * | - | Tr | * |
| Malin Head | 51 | 47 | * | 0.3 | 0.5 | 0.2 |
| Aldergrove | 59 | 47 | 42 | - | Tr | 3.6 |
| Birr Castle | 59 | 47 | * | Tr | - | 1.6 |
| Valentia Obsy. † | 54 | 49 | 47 | Tr | - | 0.1 |
| Roches Point | 54 | 48 | * | Tr | - | * |

### NOON OBSERVATIONS

Day 7h—18h. Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations except for rainfall which is 9h—18h.

| Station | Height above M.S.L. in feet | Weather Morning (24 hrs. ended 9h.) | Weather Afternoon | Weather Night | Temp. Day Max. °F. | Temp. Night Min. °F. | Temp. Min. on Grass °F. | Rainfall Day mm. | Rainfall Night mm. | Sunshine to Sunset hrs. (Yesterday) | Humidity 15h. G.M.T. % (Yesterday) | Humidity 9h. G.M.T. % (To-day) | Visibility 9h. (To-day) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kew | 18 | ciroczo | czorocm | cmbwcm | 52 | 45 | 36 | Tr | - | 0.0 | * | * | 6 |
| Croydon | 217 | roiroc | ciroido | cbm,wm | 52 | 45 | 34 | Tr | Tr | 0.3 | * | * | 6 |
| Greenwich (Royal Observatory) | 149 | c | c | cbc | 53 | 46 | 37 | - | - | 0.4 | 77 | 74 | 5 |
| City (Bunhill Row) | — | * | * | * | * | * | * | * | * | 0.0 | * | * | * |
| Westminster (St. James' Park) | 27 | * | * | * | 54 | 44 | 36 | - | | 0.0 | 75 | 76 | * |
| Regents Pk. (Botanic Gardens)‡ | 166 | * | * | * | 53 | 44 | 41 | Tr | - | 0.1 | 86 | 87 | * |
| Camden Square | 110 | c | c | * | 55 | 45 | 37 | - | - | * | * | 71 | * |
| Kensington | 80 | c | bc | * | 53 | 45 | 34 | Tr | - | 0.2 | At 18h. 86 | 78 | * |
| Hampstead Observatory | 450 | od | od | bc | 51 | 43 | 35 | Tr | - | 0.2 | * | 83 | * |

### Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. 6th

| | Max. | Time. | Min. | Time. |
|---|---|---|---|---|
| South Kensington. | 0.3 | 19h 5th | <0.3 | 3.4h 6th |
| Kew Observatory. | 0.2 | 19h 5th | <0.1 | 5h 6th |

### FOREIGN OBSERVATIONS.

| Stations | 18h. G.M.T. 5th April Barom. mb. | Wind Direc. | Wind Force | Weather | Temp. °F. | 7h. G.M.T. 6th April Barom. mb. | Wind Direc. | Wind Force | Weather | Temp. °F. | Past 24 Hours Max. Day °F. | Min. Night °F. | Rainfall Day mm. | Rainfall Night mm. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Paris | 1025.4 | W | 4 | c | 54 | 1025.5 | W | 1 | zo | 48 | 57 | 48 | - | - |
| Brussels | 1023.4 | W | 4 | o | 48 | 1023.4 | W | 3 | zo | 46 | 54 | 45 | 0.6 | 1 |
| Berlin | | | | | | 1016.8 | W'S | 4 | zo | 45 | * | 43 | | Tr |
| Zürich | 1024.3 | NNW | 1 | c | 46 | 1024.6 | N | 1 | zo | 37 | 54 | 34 | - | - |
| Rome | 1015.9 | SW | 4 | c | 57 | 1017.9 | N'E | 4 | c | 48 | * | * | - | - |

## EXPLANATION OF FIGURES, LETTERS, etc.

**COLUMNS 2, 16.**
The barometric tendency is expressed in tenths of a millibar.

**COLUMNS 4, 18.**
The Beaufort Scale of Wind is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers is the speed at about 30 feet above the ground.

| Beaufort No | Statute m/h. | Beaufort No. | Statute m/h. | Beaufort No. | Statute m/h. |
|---|---|---|---|---|---|
| 0 | <1 | 4 | 13–18 | 9 | 47–54 |
| 1 | 1–3 | 5 | 19–24 | 10 | 55–63 |
| 2 | 4–7 | 6 | 25–31 | 11 | 64–75 |
| 3 | 8–12 | 7 | 32–38 | 12 | > 75 |
| | | 8 | 39–46 | | |

**COLUMNS 34, 35.**
Tr. = rain has fallen, but amount less than 0·1 mm.

**COLUMNS 8, 22.—Code for surface visibility.**

| | Objects not visible at |
|---|---|
| 0 Dense fog | 55 yards. |
| 1 Thick fog | 220 ,, |
| 2 Fog | 550 ,, |
| 3 Moderate fog | 1,100 ,, |
| 4 Mist or haze | 1½ miles. |
| 5 Poor visibility | 2½ ,, |
| 6 Moderate ,, | 6¼ ,, |
| 7 Good ,, | 12½ ,, |
| 8 Very good ,, | 31 ,, |
| 9 Excellent ,, | beyond 31m. |

**COLUMN 30.—Code for State of Sea.**

0 Calm. 5 Very rough.
1 Smooth. 6 High.
2 Slight. 7 Very high.
3 Moderate. 8 Precipitous.
4 Rough. 9 Confused.

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METEOROLOGICAL OFFICE, AIR MINISTRY, ADASTRAL HOUSE, KINGSWAY, LONDON, W.C.2.

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S., Director.

† 1 hr. observations are from Valentia W/T Station. ‡ Maximum and Minimum Temperatures are for the 24 hours ending 8 h. § Sea disturbance reported from Dungeness.

Page 1.

AIR MINISTRY.

# THE DAILY WEATHER REPORT

## OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Thursday 7th April, 1938.
No. 27895.

**OBSERVATIONS at 13h. G.M.T. 6th April**

| District | Stations (For heights see p. 4.) | Barom. at M.S.L. mb. (1) | Change in 3 hours (2) | Wind Direc. (3) | Wind Force 0-12 (4) | Weather (5) | °F. Temp. (6) | % Humid. (7) | Visibility 0-9 (8) | Cloud Form Low (9) | Cloud Form Med. (10) | Cloud Form High (11) | Amount Low 0-10 (12) | Amount Total 0-10 (13) | Height of Base (feet) (14) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | London (Kew) | 1025·4 | -2 | WNW | 3 | c | 60 | 65 | 7 | 5 | - | - | 9 | 9 | 2500 |
| | Croydon | 1025·5 | -2 | NWN | 2 | c | 59 | 65 | 6 | 5 | - | - | 9+ | 9+ | 2500 |
| | S. Farnborough | 1026·2 | 0 | NW | 3 | c | 62 | 56 | 8 | 1 | - | - | 7-8 | 7-8 | 4000 |
| | Boscombe Down | 1026·6 | -2 | NWN | 3 | bc | 59 | 55 | 8 | 7 | - | - | 4-6 | 4-6 | 2500 |
| | Calshot (Sthmtn.) | 1026·4 | -4 | NWN | 3 | bc | 61 | 55 | 8 | 1 | - | - | 2-3 | 2-3 | 4000 |
| | Lympne | 1025·8 | +2 | NWW | 2 | c | 57 | 65 | 7 | 5 | - | 1 | 9 | 9 | 4000 |
| | Manston | 1025·1 | +2 | NW | 3 | bc | 57 | 65 | 7 | 2 | 3 | 1 | 2-3 | 4-6 | 4000 |
| 2 | Shoeburyness | 1024·8 | -2 | WNW | 2 | c | 61 | 55 | 8 | 5 | - | - | 9+ | 9+ | 4000 |
| | Felixstowe | 1024·1 | 0 | SWS | 1 | c | 62 | 55 | 8 | 8 | - | - | 7-8 | 7-8 | 4000 |
| | Gorleston | 1023·4 | -2 | N | 3 | c | 57 | 65 | 6 | 6 | - | - | 9 | 9 | 2500 |
| | Mildenhall | 1024·0 | -2 | WS | 4 | c | 60 | 65 | 7 | 5 | - | - | 10 | 10 | 4000 |
| | Cranwell | 1023·9 | +2 | WS | 5 | $z_0$ | 57 | 55 | 6 | 8 | 3 | - | 4-6 | 4-6 | 2500 |
| 3 | Birmingham | 1026·3 | -6 | NW | 3 | c | 54 | 65 | 7 | 5 | - | - | 7-8 | 7-8 | 2500 |
| | Upper Heyford | 1026·3 | +2 | NWN | 4 | bc | 57 | 65 | 7 | 1 | - | - | 4-6 | 4-6 | 2500 |
| 4 | Ross-on-Wye | 1026·2 | -4 | NW | 3 | b | 60 | 55 | 8 | 1 | - | - | 1 | 1 | 4000 |
| 5 | Bristol | 1027·2 | -4 | NW | 3 | bc | 60 | 65 | 7 | 7 | - | - | 4-6 | 4-6 | 4000 |
| | Portland Bill | 1027·3 | -4 | W | 3 | bc | 53 | 75 | 7 | 1 | - | - | 2-3 | 2-3 | 2500 |
| | Plymouth | 1028·7 | -6 | NW | 4 | c | 54 | 75 | 8 | 7 | - | - | 9 | 9 | 2500 |
| | The Lizard | 1030·0 | 0 | NNW | 3 | c | 56 | 75 | 8 | 8 | - | - | 7-8 | 7-8 | 2500 |
| | Scilly (St.Mary's) | 1030·9 | 0 | NNW | 3 | c | 52 | 75 | 8 | 5 | - | - | 9+ | 9+ | 2500 |
| | Guernsey | 1028·2 | -2 | NWN | 2 | c | 54 | 85 | 7 | 5 | - | - | 9+ | 9+ | 4000 |
| 6 | Pembroke | 1029·0 | 0 | WNW | 1 | b | 53 | 85 | 8 | 1 | - | - | Tr | Tr | 4000 |
| 7 | Holyhead | 1028·1 | +6 | W | 4 | c | 52 | 75 | 8 | 7 | - | 8 | 9+ | 9+ | 2500 |
| | Chester(Sealand) | 1027·2 | -2 | WNW | 5 | c | 54 | 65 | 8 | 5 | - | - | 9 | 9 | 4000 |
| 8 | Manchester | 1025·6 | -6 | W'N | 5 | c | 54 | 75 | 7 | 7 | 3 | - | 2-3 | 9 | 2500 |
| 10 | Spurn Head | 1022·6 | +2 | WNW | 5 | bc | 56 | 75 | 7 | - | 6 | 8 | 0 | 4-6 | - |
| | Catterick | 1022·6 | -8 | W'N | 4 | bc | 59 | 45 | 8 | 4 | - | - | 2-3 | 2-3 | 4000 |
| | Tynemouth | 1021·0 | +4 | W | 4 | bc | 57 | 65 | 7 | 2 | - | - | 4-6 | 4-6 | 1500 |
| 11 | St Abbs Head | 1017·7 | -20 | NW | 7 | q | 53 | 75 | 8 | 2 | 7 | 1 | 4-6 | 9 | 2500 |
| 12 | Leuchars | 1019·9 | +2 | W | 6 | c | 59 | 55 | 8 | 7 | 7 | 9 | 2-3 | 7-8 | 2500 |
| | Renfrew (Abbots I.) | 1022·8 | +2 | W'S | 4 | c/d | 53 | 85 | 7 | 5 | - | 6 | 9 | 10 | 1500 |
| | Eskdalemuir | 1021·1 | -6 | WNW | 7 | bc | 53 | 65 | 7 | 5 | - | 2 | 2-3 | 4-6 | 2500 |
| | Point of Ayre | 1026·1 | +2 | W'N | 4 | c | 54 | 85 | 8 | 5 | 6 | - | 4-6 | 7-8 | 2500 |
| 13A | Tiree | 1022·2 | 0 | W'S | 5 | c | 51 | 92 | 6 | 5 | - | - | 10 | 10 | 1500 |
| 13B | Stornoway | 1016·6 | 0 | W | 7 | $r_0r_0$ | 52 | 92 | 6 | 5 | 2 | - | 7-8 | 10 | 1500 |
| 15 | Dalwhinnie | 1020·5 | -2 | SW | 6 | $ir_0$ | 48 | 86 | 6 | 5 | - | - | 10 | 10 | 2500 |
| | Aberdeen | 1016·7 | 0 | W | 5 | b | 61 | 45 | 8 | 1 | 4 | 9 | Tr | 1 | 1500 |
| | Wick | 1014·4 | -4 | WNW | 6 | $pr_0$ | 52 | 85 | 7 | 5 | 2 | - | 7-8 | 10 | 1500 |
| 16 | Lerwick | 1005·7 | -10 | WSW | 8 | dd | 48 | 97 | 6 | 6 | 2 | - | 7-8 | 10 | 800 |
| 17 | Blacksod Point | 1029·4 | +10 | W | 4 | c | 52 | 85 | 8 | 5 | - | - | 10 | 10 | 800 |
| 18 | Malin Head | 1026·3 | +8 | W | 5 | c | 50 | 92 | 6 | 6 | 1 | - | 7-8 | 9+ | 1500 |
| | Aldergrove | 1026·7 | 0 | W | 4 | c | 56 | 75 | 7 | 5 | - | - | 9+ | 9+ | 2500 |
| 19 | Birr Castle | 1029·1 | -4 | W | 2 | c | 59 | 65 | 8 | 7 | - | - | 7-8 | 7-8 | 2500 |
| 20 | Valentia Obsy. † | 1031·7 | 0 | NW'W | 3 | bc | 55 | 75 | 9 | 7 | - | 4 | 1 | 2-3 | 2500 |
| | Roches Point | 1030·2 | * | N | 2 | bc | 59 | 75 | 9 | - | - | 5 | 0 | 1 | - |

**OBSERVATIONS at 18h. G.M.T. 6th April**

| Stations | Barom. at M.S.L. mb. (15) | Change in 3 hours (16) | Wind Direc. (17) | Wind Force 0-12 (18) | Weather (19) | °F. Temp. (20) | % Humid. (21) | Visibility 0-9 (22) | Cloud Form Low (23) | Cloud Form Med. (24) | Cloud Form High (25) | Amount Low 0-10 (26) | Amount Total 0-10 (27) | Height of Base (feet) (28) | State of Ground 0-9 (29) | Sea 0-9 (30) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| London (Kew) | 1024·9 | +2 | NNW | 2 | $z_0$ | 60 | 55 | 6 | 5 | - | 9 | 2-3 | 4-6 | 2500 | 0 | * |
| Croydon | 1024·3 | +2 | NW | 2 | b | 59 | 65 | 6 | 1 | 4 | - | Tr | Tr | 5700 | 0 | * |
| S. Farnborough | 1024·7 | 0 | NW | 2 | bc | 62 | 55 | 8 | 4 | - | 9 | 1 | 4-6 | 4000 | 0 | * |
| Boscombe Down | 1025·9 | +4 | WS | 4 | b | 57 | 75 | 8 | - | - | 4 | 0 | Tr | - | 0 | * |
| Calshot (Sthmtn.) | 1025·3 | -4 | WNW | 4 | $z_0$ | 60 | 65 | 7 | 1 | - | - | Tr | Tr | 4000 | 0 | 2 |
| Lympne | 1025·1 | +2 | SW | 2 | $z_0$ | 54 | 75 | 6 | 5 | - | - | 9 | 9 | 4000 | 0 | §1 |
| Manston | 1024·1 | -2 | NW | 3 | c | 57 | 75 | 6 | 5 | 1 | - | 7-8 | 7-8 | 2500 (4000 in red) | 0 | * |
| Shoeburyness | 1024·5 | +4 | NW | 2 | bc | 57 | 65 | 7 | 2 | - | - | 2-3 | 2-3 | 4000 | 0 | * |
| Felixstowe | 1023·7 | +4 | WNW | 4 | bc | 57 | 65 | 7 | 5 | - | - | 4-6 | 4-6 | 4000 | 0 | 2 |
| Gorleston | 1023·1 | +4 | SSE | 2 | c | 51 | 85 | 6 | 8 | 3 | - | 4-6 | 7-8 | 2500 | 0 | 2 |
| Mildenhall | 1023·9 | +2 | W'N | 4 | bc | 56 | 65 | 7 | 4 | - | - | 4-6 | 4-6 | 4000 | 0 | * |
| Cranwell | 1024·0 | +10 | WNW | 4 | b | 55 | 65 | 7 | - | - | - | 0 | 0 | - | 0 | * |
| Birmingham | 1025·9 | +6 | NW | 4 | bc | 53 | 65 | 6 | 9 | 3 | - | 2-3 | 4-6 | 4000 | 0 | * |
| Upper Heyford | 1025·5 | 0 | NW | 2 | bc | 56 | 65 | 6 | 7 | - | - | 2-3 | 2-3 | 4000 | 0 | * |
| Ross-on-Wye | 1026·2 | +6 | NW | 4 | bc | 55 | 55 | 8 | 7 | - | 6 | Tr | 2-3 | 4000 | 0 | * |
| Bristol | 1026·3 | 0 | WSW | 3 | bc | 54 | 85 | 8 | - | 4 | 1 | 0 | 2-3 | - | 0 | * |
| Portland Bill | 1026·3 | -4 | W | 3 | b | 52 | 85 | 8 | - | - | - | 0 | 0 | - | 1 | 3 |
| Plymouth | 1028·4 | +8 | NW'N | 3 | b | 53 | 75 | 9 | 5 | - | - | 1 | 1 | 2500 | 0 | 1 |
| The Lizard | 1029·1 | +2 | NW | 3 | bc | 50 | 85 | 8 | 7 | - | - | 2-3 | 2-3 | 4000 | 0 | 2 |
| Scilly (St.Mary's) | 1029·8 | -6 | NNW | 4 | c | 49 | 85 | 8 | 5 | - | - | 9+ | 9+ | 2500 | 0 | 2 |
| Guernsey | 1027·9 | 0 | W'N | 2 | $z_0$ | 52 | 85 | 6 | - | - | - | 0 | 0 | - | 0 | 2 |
| Pembroke | 1027·8 | -2 | WNW | 2 | bc | 50 | 85 | 8 | - | 8 | 1 | 0 | 2-3 | - | 0 | 1 |
| Holyhead | 1026·8 | -4 | SW'S | 3 | b | 52 | 75 | 8 | 5 | - | 1 | Tr | 1 | 2500 | 0 | 1 |
| Chester(Sealand) | 1026·5 | +2 | W'N | 4 | bc | 54 | 75 | 7 | - | 4 | - | 0 | 2-3 | - | 0 | * |
| Manchester | 1025·7 | +2 | WNW | 4 | c | 52 | 75 | 7 | 7 | 4 | 9 | 2-3 | 7-8 | 4000 | 1 | * |
| Spurn Head | 1022·0 | -4 | WNW | 5 | c | 54 | 75 | 7 | - | - | 8 | 0 | 7-8 | - | 0 | 3 |
| Catterick | 1021·5 | -2 | WNW | 5 | bc | 55 | 65 | 8 | - | 5 | 4 | 0 | 4-6 | - | 0 | * |
| Tynemouth | 1019·9 | +6 | W | 5 | q | 57 | 65 | 6 | 2 | - | 1 | 2-3 | 4-6 | 1500 | 0 | 2 |
| St Abbs Head | 1019·0 | 0 | WNW | 6 | q | 53 | 85 | 8 | 2 | 4 | 1 | 2-3 | 4-6 | 4000 | 0 | 4 |
| Leuchars | 1018·2 | -10 | SW | 5 | bc | 55 | 75 | 8 | 8 | 3 | 1 | 4-6 | 4-6 | 2500 | 0 | * |
| Renfrew (Abbots I.) | 1021·5 | -10 | W'N | 5 | $d_0d_0$ | 51 | 97 | 6 | 5 | - | - | 10 | 10 | 800 | 1 | * |
| Eskdalemuir | 1025·3 | +2 | WSW | 3 | $d_0d_0$ | 48 | 92 | 6 | 5 | - | - | 10 | 10 | 1500 | 1 | * |
| Point of Ayre | 1025·4 | -4 | NW'W | 3 | c | 52 | 92 | 7 | 5 | 2 | - | 4-6 | 9+ | 2500 | 0 | 2 |
| Tiree | 1022·3 | +2 | W | 5 | id | 50 | 97 | 6 | 5 | - | - | 10 | 10 | 450 | 0 | 3 |
| Stornoway | 1018·3 | +8 | WNW | 6 | c | 49 | 75 | 7 | 8 | 5 | 5 | 4-6 | 9 | 1500 | 1 | 3 |
| Dalwhinnie | 1019·2 | -6 | SW | 6 | $ir_0$ | 48 | 92 | 6 | 5 | - | - | 10 | 10 | 1500 | 1 | * |
| Aberdeen | 1015·7 | -2 | W'N | 3 | c | 57 | 65 | 8 | 7 | - | - | 9+ | 9+ | 2500 | 0 | 1 |
| Wick | 1014·4 | +8 | WNW | 6 | c | 49 | 85 | 7 | 8 | 7 | - | 4-6 | 9 | 1500 | 1 | 3 |
| Lerwick | 1006·6 | +14 | W | 8 | c/pr | 46 | 75 | 8 | 8 | 7 | - | 4-6 | 7-8 | 1500 | 1 | * |
| Blacksod Point | 1029·4 | 0 | W'N | 4 | c | 50 | 92 | 7 | - | 2 | - | 0 | 10 | - | 0 | 2 |
| Malin Head | 1025·7 | +2 | W | 4 | $z_0$ | 49 | 97 | 5 | 5 | - | - | 10 | 10 | 800 | 1 | 2 |
| Aldergrove | 1026·4 | +2 | WSW | 4 | $c_0$ | 52 | 85 | 8 | 5 | - | - | 9 | 9 | 1500 | 0 | * |
| Birr Castle | 1029·0 | -2 | WNW | 1 | bc | 65 | 75 | 8 | 1 | - | - | 2-3 | 2-3 | 2500 | 1 | * |
| Valentia Obsy. † | 1030·7 | -2 | NW'N | 3 | bc | 53 | 75 | 9 | 1 | - | 1 | Tr | 2-3 | 2500 | 0 | 0 |
| Roches Point | 1029·0 | * | N | 3 | b | 60 | 75 | 9 | - | - | 1 | 0 | 1-3 | - | 0 | 2 |

**PAST 24 HOURS. — Weather.**

| Stations | 7h.—13h. 6th. (37) | 13h.—18h. 6th. (38) | 18h. 6th to 1h. 7th. (39) | 1h.—7h. 7th. (40) |
|---|---|---|---|---|
| London (Kew) | $cm_0c$ | $cbez_0y$ | $bcz_0b$ | $bm_0$ |
| Croydon | $cm_0z$ | $cbebz_0$ | $bbczbm_0w$ | $bwm_0$ |
| S. Farnborough | cbcy | bcbbcy | bcbw | bw |
| Boscombe Down | cwbbcy | bcyby | by/b | bbc |
| Calshot (Sthmtn.) | cwmcbcy | bcyb | bw | $bwm_0$ |
| Lympne | cmbcc | $cz_0$ | $cb,cbm_0$ | $bm_0wbc$ |
| Manston | $bcm_0c$ | $bccz_0$ | $bccbm_0$ | $bcbbcm_0$ |
| Shoeburyness | cy | cybcb | bbw | $bcm_0$ (wcm in red) |
| Felixstowe | $cm_0bccy$ | cycbc | bcb | $bw,cm_0$ |
| Gorleston | czc | cz | $cbz_0z_0$ | $bccz_0$ |
| Mildenhall | $cm_0bcc$ | cbcy | bcb | $bwbcm_0$ |
| Cranwell | $bbccz_0$ | $bcyz_0b$ | $bm_0bcm_0$ | $bcwcm_0$ |
| Birmingham | c | cbc | bcc | c |
| Upper Heyford | cbz | $bcybcm_0$ | $bcbz_0$ | bbcc |
| Ross-on-Wye | bccbc | by | bcb | bwc |
| Bristol | cbc | bcb | bbcbw | bbcw |
| Portland Bill | bcbc | bcb | b | bbc |
| Plymouth | c | cb | $bbm_0$ | bgfefe |
| The Lizard | c | cbc | bcw | cfe |
| Scilly (St.Mary's) | c | c | cbcw | bbcw |
| Guernsey | bczc | cbcbz | bw | bw |
| Pembroke | cbcb | b | bw | bbcwc |
| Holyhead | b,c | cb | bwc | $id_0m_0c$ |
| Chester(Sealand) | c | cbc | bccb | $bcd_0m_0$ |
| Manchester | $cd_0m_0c$ | cbc | $bccm_0c$ | cw |
| Spurn Head | bcc | bcc | bc | c |
| Catterick | cbcy | bcy | bcc | c |
| Tynemouth | bcq | bcq | bccq | $cp_0cbc$ |
| St Abbs Head | cq | cqbc | bcbq | bqbcc |
| Leuchars | cqccqy | cqybc | cqbcb | bbcc |
| Renfrew (Abbots I.) | cid | cdddd | $cm_0d_0d_0c$ | cbc |
| Eskdalemuir | cbc (gale) | bcc8dd | $cd_0d_0$ | cirbc |
| Point of Ayre | c | c | cbcc | c |
| Tiree | c | $cm_0id_0$ | c | bcc |
| Stornoway | $cr_0r_0$ | cr | cprq | cbcprq |
| Dalwhinnie | $c_0$ | $cir_0$ | | cirobc |
| Aberdeen | cbcy | bybcc | $cpr_0b$ | $qbcpr_0b$ |
| Wick | $cpr_0$ (gale) | $cpr_0c$ (gale) | cprcq | $r_0pr_0$ |
| Lerwick | idprddm | cpr (gale) | cprsh (gale) | cphr (gale) |
| Blacksod Point | c | o | irc | $ir_0$ |
| Malin Head | c | comm | cidfcidc | c |
| Aldergrove | c | cbcc | $ccid_0$ | $idjr_0c$ |
| Birr Castle | c | cbc | bcc | $coid_0$ |
| Valentia Obsy. † | cbc | bc | bcbwc | cwc |
| Roches Point | cbc | bcb | bcbq | bcwc |

## EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

### COLUMNS 5, 19, 37, 38, 39, 40—BEAUFORT NOTATION AND SYMBOLS FOR WEATHER.

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog „ less than 220 yds.
fs, low fog over sea (coast station).
fg, low fog over land (inland station).
m. mist, visibility 1100–2200 yds.
h, hail. l, intermittent.
jf, fog at a distance, but not at station.
jp, precipitation within sight of station.
ks, storm of drifting snow.
$k/s_0$, slight storm of drifting snow (generally low).
k/S, heavy storm of drifting snow (generally low).
$s_0/k$, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze: the turbid atmosphere of dry weather.
h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus R, heavy rain. $r_0$, slight rain. rr, continuous rain.
<, less than (for cloud height).
⊕, Solar halo. ⦶ lunar halo. ↗ gale.
With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions thus:—bc/r, fair weather after rain; —, has decreased; +, has increased.

### COLUMNS 9, 23.—FORM OF LOW CLOUD.

0 No low clouds.
1 Fair weather Cu.
2 Large Cu without anvil.
3 Cb.
4 Sc formed by the spreading out of Cu.
5 Layer of St or Sc.
6 Ragged low clouds of bad weather (or fractonimbus).
7 Fair weather Cu. and Sc.
8 Large-Cu (or Cb) and Sc.
9 Large-Cu (or Cb) and ragged low clouds of bad weather.

### COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4-6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries. "tr" signifies a small amount of cloud (trace) covering less than 1/20 of the sky. "9+" signifies an overcast sky with a few small openings.

### COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

0 No medium clouds.
1 Typical As (thin).
2 Typical As (thick) (sun or moon invisible), or Nimbostratus (Ns).
3 Single layer of Ac or high Sc.
4 Ac in isolated patches. Individually decreasing (often lenticular).
5 Ac in bands (increasing).
6 Ac formed from the spreading out of Cu.
7 Ac associated with As or As with parts resembling Ac.
8 Ac Castellatus (or Ac in ragged fragments).
9 Ac in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

### COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

0 No cirriform cloud.
1 Fine Ci not increasing: sparse.
2 Fine Ci not increasing: abundant but not a continuous layer.
3 Anvil Ci (usually dense).
4 Fine Ci increasing: usually in tufts.
5 Ci or Cs increasing: still below 45° altitude: often in polar bands.
6 Ci or Cs increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Cs covering whole sky.
8 Cs not increasing and not covering whole sky.
9 Cc predominating, and a little cirrus.
(Cc may occur with any of the types 1 to 8).

Cloud form abbreviations:—
Cirrus,–Ci: Cirrocumulus,–Cc: Cirrostratus,–Cs: Altocumulus,–Ac: Altostratus,–As
Stratocumulus,–Sc: Stratus,–St: Nimbostratus,–Ns: Cumulus,–Cu: Cumulonimbus,–Cb

### COLUMN 29.—STATE OF GROUND.

0 .. Ground dry.
1 .. „ wet.
2 .. „ flooded.
3 .. „ frozen hard and dry.
4 .. „ partly covered with snow or hail.
5 .. „ covered with ice or glazed frost.
6 .. Ground covered with thawing snow.
7 .. „ covered with snow, less than 6 ins., deep but ground not frozen.
8 .. „ covered with snow, less than 6 ins., but ground frozen.
9 .. „ covered with snow greater than 6 ins. deep.

NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

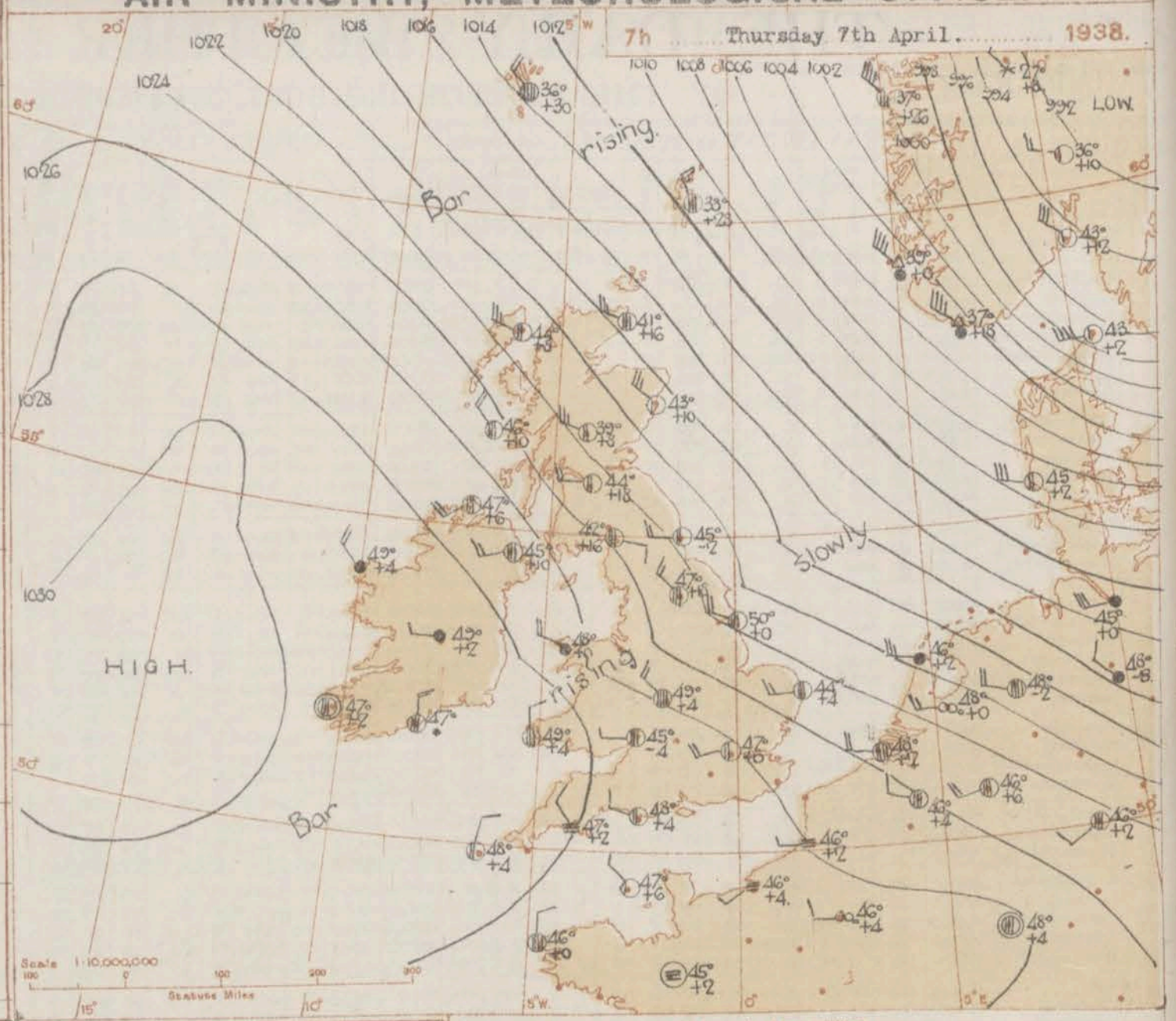
§ Sea disturbance reported from Dungeness.

# AIR MINISTRY, METEOROLOGICAL OFFICE.

## REPORTS from HEALTH RESORTS for 6th April 1938

| Districts. | Stations. | Weather. Forenoon. | Weather. Afternoon. | Temperature (°F.) Min. 9h. 5th to 9h. 6th | Temperature (°F.) Max. 9h.—17h. 6th | Rainfall (mm.) Night. 17h. 5th to 9h. 6th | Rainfall (mm.) Day. 9h.—17h. 6th | Sunshine (Hrs.) Sunrise to 17h. 6th | Sunshine (Hrs.) Sunrise to Sunset. 5th |
|---|---|---|---|---|---|---|---|---|---|
| 1 | Tunbridge W. | ocbc | obcb | 41 | 63 | - | - | 3·6 | 1·2 |
| | Bournemouth | b | b | 45 | 65 | - | - | 7·3 | 1·4 |
| | Ventnor ... | ob | bz | 46 | 62 | - | - | 6·9 | 1·3 |
| | Southsea ... | cbc | b | 45 | 65 | - | - | 6·5 | 0·6 |
| | Bognor Regis | cbcbc | bbc | 44 | 64 | Trace | - | 5·0 | 1·0 |
| | Littlehampton | cbc | bcb | 44 | 61 | - | - | 4·4 | 1·1 |
| | Worthing ... | cbc | bcb | 44 | 60 | 0·3 | - | 4·1 | 1·3 |
| | Brighton ... | cb | bcb | 46 | 59 | Trace | - | 3·6 | 1·7 |
| | Eastbourne† ... | c | cbcb | 47 | 60 | - | - | 2·6 | 3·4 |
| | Hastings† ... | coc | cbcbc | 44 | 59 | - | - | 1·6 | 4·1 |
| | Folkestone ... | oc | cm | 46 | 59 | Trace | - | 0·6 | 3·9 |
| | Dover ... | yc | coc | 47 | 60 | - | - | 0·4 | 3·4 |
| | Deal ... ... | oco | oco | 45 | 61 | - | - | 0·9 | 3·4 |
| | Ramsgate ... | cbcz | bcz | 46 | 60 | - | - | 2·4 | 3·6 |
| | Margate ... | cbc | bcc | 46 | 60 | - | - | 2·7 | 2·7 |
| 2 | Southend ... | c | cobc | 43 | 63 | Trace | - | 3·0 | 1·9 |
| | Clacton-on-Sea | cbc | bcebc | 42 | 63 | - | - | 3·8 | 2·6 |
| | Dovercourt ... | bc | bcb | 44 | 62 | - | - | 4·5 | 2·5 |
| | Lowestoft ... | cbcc | cbcc | 42 | 60 | Trace | - | 0·9 | 0·6 |
| | Skegness ... | bbc | b | 42 | 63 | - | - | 9·6 | 0·1 |
| | Mablethorpe... | bccb | by | 45 | 63 | - | - | 9·3 | 0·1 |
| | Cleethorpes ... | bc | bc | 46 | 63 | - | - | 8·5 | 0·3 |
| 3 | Leamington S. | bc | bc | 44 | 62 | - | - | 7·3 | 0·0 |
| 4 | Cheltenham† | cbcb | b | 47 | 65 | - | - | 8·4 | 0·5 |
| 5 | Bath ... ... | bcb | b | 43 | 63 | - | - | 9·4 | 1·1 |
| | Weymouth ... | bc | b | 41 | 61 | - | - | 7·8 | 1·2 |
| | Jersey ... | cbc | bc | 47 | 59 | - | - | 5·5 | 6·5 |
| | Torquay ... | cbcb | boy | 44 | 62 | Trace | - | 5·6 | 1·6 |
| | Falmouth | dcc | ocbcc | 48 | 56 | Trace | - | 3·4 | 0·8 |
| | Penzance ... | oc | cbcb | 49 | 54 | - | - | 2·6 | 1·6 |
| | St. Ives ... | o | c | 41 | 56 | - | - | 1·8 | 0·0 |
| | Bude... ... | c | bcb | 49 | 52 | - | - | 4·4 | 0·1 |
| | Ilfracombe ... | ocbc | bcb | 47 | 59 | - | - | 5·6 | 0·0 |
| 6 | Aberystwyth | cbc | bcc | 46 | 53 | - | - | 5·0 | 0·0 |
| 7 | Llandudno ... | c | cbcb | 48 | 53 | - | - | 2·8 | 0·6 |
| | Colwyn Bay... | cbcc | bcbbc | 48 | 56 | 0·3 | - | 2·5 | 0·5 |
| | Rhyl ... ... | c | cbcb | 48 | 55 | - | - | 2·4 | 1·3 |
| 8 | Wallasey ... | c | cbcb | 47 | 53 | - | - | 1·9 | 0·5 |
| | Southport ... | cbcc | cbcbbc | 47 | 54 | - | - | 2·8 | 2·7 |
| | Blackpool ... | bzco | cbccz | 45 | 53 | - | - | 3·3 | 3·7 |
| | Morecambe ... | bcebc | bcebc | 47 | 51 | Trace | - | 5·6 | 5·6 |
| 9 | Ilkley... ... | bc | bc | 46 | 58 | - | - | 5·1 | 2·2 |
| | Harrogate ... | bcb | bbc | 45 | 58 | - | - | 9·2 | 3·3 |
| 10 | Berwick-on-T. | c | bcbbc | 49 | 60 | - | - | 9·0 | 4·8 |
| 11 | Dunbar ... | cm | cm | 43 | 58 | - | - | 6·8 | 5·6 |
| 12 | Troon... ... | cbcc | cocc | 46 | 51 | - | - | 0·6 | 3·1 |
| | Douglas ... | bc | bc | 43 | 57 | - | - | 9·2 | 4·5 |

† Max. Temp. for period 21h. yesterday to 17h. to-day: Min. Temp. 21h.-9h.




BAROMETER. Isobars are drawn for intervals of two millibars.
WIND, WEATHER SYMBOLS. For explanation see opposite page.
SEA DISTURBANCE Rough High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

## FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 7th April, 1938.

| Districts. | Forecasts |
|---|---|
| 1 S.E. England<br>2 E. England ...<br>3 E. Midlands ...<br>4 W. Midlands ...<br>5 S.W. England<br>6 South Wales ...<br>7 North Wales ... | Wind northwest, light to moderate; sunny intervals but slight local showers; temperature falling, ground frost at night. |
| 8 N.W. England<br>9 N. Midlands ...<br>10 N.E. England<br>11 S.E. Scotland<br>12 S.W. Scotland & Isle of Man.<br>13 A. W. Scotld. B.N.W. Scotland.<br>14 Mid Scotland | Wind northwest, moderate or fresh; sunny intervals but local showers; snow on hills; rather cold with frost at night. |
| 15 N. E. Scotland<br>16 Orkney and Shetland | Wind northwest, strong; sunny intervals; showers of hail or snow; rather cold. |
| 17 N. W. Ireland<br>18 N. E. Ireland<br>19 S. E. Ireland<br>20 S. W. Ireland | As 0 - 7. |

### GENERAL INFERENCE

A ridge of high pressure is situated to the west of Ireland. Weather will remain mainly fair though some slight showers are probable in all districts. On high ground in the north, showers will be of snow or sleet and temperature in all places will fall considerably giving ground frosts at night.

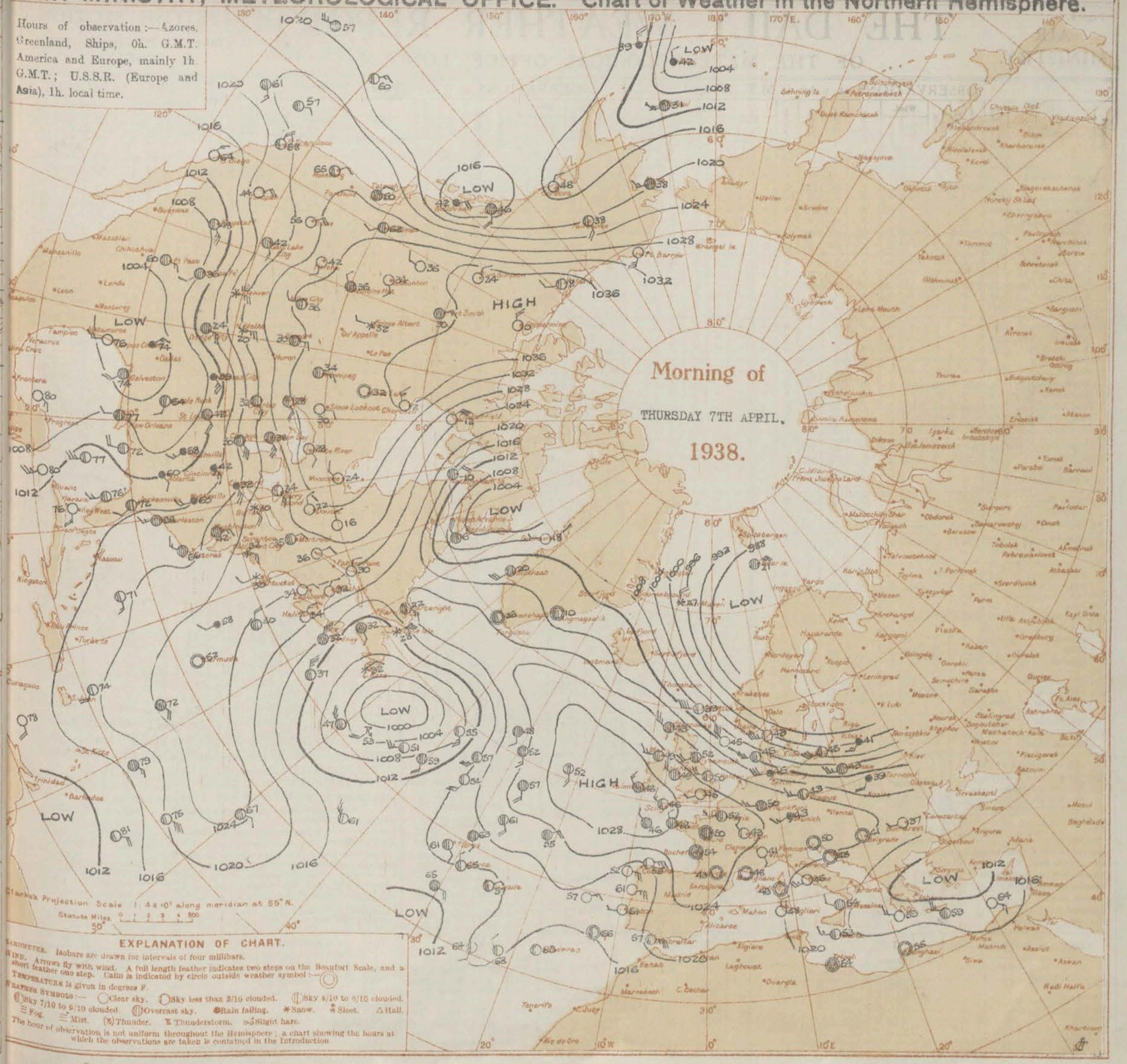
### FURTHER OUTLOOK.

None issued.

Forecasts issued at 0930 G.M.T. GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S., Director.

H.M. Stationery Office Press, Kingsway, W.C.2

# AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.



AIR MINISTRY.

# THE DAILY WEATHER REPORT

## OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Thursday 7th April 1938.
No. 27895.

### OBSERVATIONS at 1 hr. G.M.T. 7th April

| District | Stations | Height above M.S.L. in feet | Barom. at M.S.L. mb. (1) | Change in 3 hours (2) | Wind Direc. (3) | Wind Force 0–12 (4) | Weather (5) | Temp. °F. (6) | Humid. % (7) | Visibility 0–9 (8) | Cloud Form Low (9) | Cloud Form Med. (10) | Cloud Form High (11) | Cloud Amount Low 0–10 (12) | Cloud Amount Total 0–10 (13) | Height of Base (feet) (14) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | London (Kew) | 18 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Croydon ... | 217 | 1025·8 | −2 | W'S | 1 | zo | 45 | 85 | 6 | — | — | — | 0 | 0 | — |
| | S. Farnborough | 228 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Boscombe Down | 417 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Calshot (Sthmtn.) | 8 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Lympne ... | 346 | 1025·6 | 0 | NWW | 2 | zo | 45 | 85 | 6 | 5 | — | — | 1 | 1 | 4000 |
| | Manston ... | 142 | 1025·1 | +4 | W'N | 2 | bc | 44 | 85 | 6 | 5 | — | — | 2·3 | 2·3 | 2500 |
| 2 | Shoeburyness ... | 11 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Felixstowe ... | 15 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Gorleston ... | 5 | 1022·8 | −8 | W | 3 | b | 46 | 85 | 6 | — | — | — | 0 | 0 | — |
| | Mildenhall ... | 19 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Cranwell ... | 240 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 3 | Birmingham ... | 535 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Upper Heyford | 408 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 4 | Ross-on-Wye | 223 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 5 | Bristol ... | 209 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Portland Bill ... | 32 | 1026·4 | −6 | NNW | 2 | b | 47 | 92 | 8 | — | — | — | 0 | 0 | — |
| | Plymouth ... | 82 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | The Lizard ... | 240 | 1028·3 | −6 | NW'N | 3 | c | 46 | 97 | 8 | 5 | 2 | — | 3 | 10 | 1500 |
| | Scilly (St. Mary's) | 163 | 1028·5 | −8 | NWN | 3 | bc | 46 | 97 | 8 | 5 | 4 | — | 2·3 | 4·6 | 2500 |
| | Guernsey .. | 175 | 1027·8 | −2 | WNW | 1 | b | 48 | 97 | 7 | — | — | — | 0 | 0 | — |
| 6 | Pembroke ... | 142 | 1027·7 | −2 | NW'N | 3 | b | 48 | 97 | 7 | 5 | — | — | 1 | 1 | 4000 |
| 7 | Holyhead ... | 26 | 1027·0 | −2 | NW'W | 4 | c | 49 | 85 | 6 | 7 | 7 | — | 7-8 | 9 | 2500 |
| | Chester (Sealand) | 16 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 8 | Manchester ... | 70 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 10 | Spurn Head ... | 29 | 1021·9 | −4 | WNW | 4 | bc | 50 | 85 | 6 | — | — | 8 | 0 | 4-6 | — |
| | Catterick ... | 175 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Tynemouth ... | 108 | 1021·0 | −4 | WSW | 4 | c | 52 | 85 | 7 | 8 | — | — | 9 | 9 | 1500 |
| 11 | St. Abb's Head .. | 280 | 1016·7 | 0 | WNW | 6 | q | 50 | 85 | 8 | — | 1 | 1 | 0 | 2-3 | — |
| | Leuchars ... | 36 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 12 | Renfrew (Abbots I.) | 19 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Eskdalemuir ... | 794 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Point of Ayre ... | 30 | 1025·2 | 0 | WNW | 5 | c | 50 | 92 | 7 | 3 | 2 | — | 4·6 | 10 | 1500 |
| 13A | Tiree ... ... | 22 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 13B | Stornoway ... | 80 | 1013·8 | +8 | WNW | 5 | c/pr | 43 | 85 | 8 | 8 | — | — | 7-8 | 7-8 | 1500 |
| 15 | Dalwhinnie ... | 1176 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Aberdeen ... | 79 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Wick ... | 81 | 1015·8 | −4 | NNW | 5 | c | 42 | 85 | 8 | 5 | 7 | — | 4-6 | 7-8 | 1500 |
| 16 | Lerwick ... | 156 | 1008·1 | +6 | W | 8 | bc/phr | 39 | 85 | 8 | 8 | — | — | 4-6 | 4-6 | 1500 |
| 17 | Blacksod Point | 18 | 1023·5 | 0 | W | 3 | c | 49 | 92 | 7 | 5 | — | — | 10 | 10 | 800 |
| 18 | Malin Head ... | 84 | 1025·3 | +6 | W'N | 3 | c/d | 49 | 92 | 7 | 8 | — | — | 7-8 | 7-8 | 2500 |
| | Aldergrove ... | 268 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 19 | Birr Castle ... | 173 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 20 | Valentia Obsy. † | 30 | 1030·8 | 0 | NW | 3 | o | 48 | 97 | 7 | 5 | — | — | 10 | 10 | 1500 |
| | Roches Point | 22 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |

### OBSERVATIONS at 7 hr. G.M.T. 7th April

| Stations | Barom. at M.S.L. mb. (15) | Change in 3 hours (16) | Wind Direc. (17) | Wind Force 0–12 (18) | Weather (19) | Temp. °F. (20) | Humid. % (21) | Visibility 0–9 (22) | Cloud Form Low (23) | Cloud Form Med. (24) | Cloud Form High (25) | Cloud Amount Low 0–10 (26) | Cloud Amount Total 0–10 (27) | Height of Base (feet) (28) | State of Ground 0–9 (29) | Sea 0–9 (30) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| London (Kew) | 1026·0 | +8 | SSW | 2 | zo | 45 | 85 | 6 | — | — | 1 | 0 | 1 | — | 0 | * |
| Croydon | 1026·1 | +6 | WSW | 2 | bc | 47 | 92 | 7 | — | 4 | 2 | 0 | 4-6 | — | 0 | * |
| S. Farnborough | 1026·5 | +12 | WNW | 2 | b | 45 | 85 | 8 | — | — | 1 | 0 | 1 | — | 0 | * |
| Boscombe Down | 1027·1 | +8 | NW | 2 | bc | 42 | 92 | 7 | — | 4 | 8 | 0 | 4-6 | — | 0 | * |
| Calshot (Sthmtn.) | 1026·6 | +10 | W'S | 1 | zo | 41 | 92 | 6 | — | — | 4 | 0 | 1 | — | 1 | 1 |
| Lympne | 1025·4 | +6 | NNW | 3 | zo | 45 | 85 | 5 | — | 5 | 3 | 0 | 7-8 | — | 0 | §1 |
| Manston | 1024·8 | +6 | E/N [NW W] | 2 | zo | 47 | 85 | 6 | 5 | — | — | 9 | 9 | 5700 | 0 | * |
| Shoeburyness | 1025·1 | +8 | W | 2 | c | 48 | 85 | 6 | 5 | — | — | 9 | 9 | 4000 | 0 | * |
| Felixstowe | 1024·1 | +6 | W | 3 | zo | 47 | 85 | 6 | 5 | — | — | 9 | 9 | 5700 | 0 | 2 |
| Gorleston | 1022·4 | +4 | W | 3 | c | 44 | 92 | 6 | 7 | — | — | 7-8 | 7-8 | 2500 | 0 | 2 |
| Mildenhall | 1024·3 | +8 | SW'W | 3 | zo | 44 | 92 | 6 | 5 | — | 2 | Tr | 7-8 | 2500 | 1 | * |
| Cranwell | 1023·8 | +6 | W'S | 3 | zo | 47 | 92 | 6 | 4 | 7 | — | 4-6 | 9+ | 2500 | 0 | * |
| Birmingham | 1025·3 | +4 | NW | 3 | o | 49 | 85 | 6 | 5 | — | — | 10 | 10 | 1500 | 0 | * |
| Upper Heyford | 1026·2 | +8 | NW'W | 3 | c | 49 | 85 | 7 | 5 | 1 | — | 9 | 10 | 1500 | 0 | * |
| Ross-on-Wye | 1026·7 | −4 | W | 1 | c | 45 | 85 | 8 | 5 | — | 1 | 7-8 | 7-8 | 2500 | 0 | * |
| Bristol | 1027·4 | +4 | WSW | 1 | zo | 41 | 97 | 6 | — | 3 | 1 | 0 | 2-3 | — | 0 | * |
| Portland Bill | 1026·8 | +4 | WNW | 2 | bc | 48 | 85 | 7 | 1 | — | — | 4-6 | 4-6 | 2500 | 0 | 2 |
| Plymouth | 1027·9 | +6 | N | 1 | o/f | 46 | 97 | 5 | 5 | — | — | 10 | 10 | <150 | 0 | 0 |
| The Lizard | 1028·3 | +2 | NW'N | 2 | of | 47 | 97 | 2 | 5 | — | — | 10 | 10 | 450 | 1 | 1 |
| Scilly (St. Mary's) | 1028·7 | +4 | NNE | 2 | bc | 48 | 97 | 7 | 7 | — | 2 | 1 | 2-3 | 4000 | 0 | 1 |
| Guernsey | 1027·6 | +6 | NW | 1 | b | 47 | 97 | 6 | — | 1 | — | 0 | Tr | — | 0 | 1 |
| Pembroke | 1028·4 | +4 | N | 2 | c | 49 | 92 | 7 | 5 | 2 | — | 7-8 | 10 | 2500 | 0 | 1 |
| Holyhead | 1026·9 | 0 | WNW | 4 | ido | 48 | 92 | 6 | 5 | — | — | 9+ | 9+ | 800 | 0 | 2 |
| Chester (Sealand) | 1026·5 | +6 | WNW | 5 | ido | 49 | 92 | 6 | 6 | 2 | — | 9 | 10 | 450 | 0 | * |
| Manchester | 1025·7 | +6 | NW'W | 4 | c | 48 | 92 | 7 | 5 | 4 | 9 | 2-3 | 9 | 2500 | 1 | * |
| Spurn Head | 1021·9 | 0 | WNW | 4 | c | 50 | 85 | 6 | — | 2 | 6 | 0 | 9+ | — | 0 | 2 |
| Catterick | 1024·0 | +18 | NW | 3 | c | 47 | 65 | 8 | 4 | 3 | 6 | Tr | 9+ | 4000 | 0 | * |
| Tynemouth | 1022·5 | −2 | W | 3 | bc | 45 | 65 | 7 | 5 | — | 2 | 4-6 | 4-6 | 1500 | 1 | 1 |
| St. Abb's Head | 1021·9 | +20 | WNW | 4 | c | 45 | 75 | 8 | 2 | 7 | 1 | 2-3 | 7-8 | 2500 | 0 | 3 |
| Leuchars | 1021·9 | +20 | W | 3 | c | 45 | 65 | 9 | 5 | 7 | 9 | 4-6 | 7-8 | 2500 | 0 | * |
| Renfrew (Abbots I.) | 1023·5 | +16 | W | 3 | bc | 44 | 85 | 8 | 5 | — | [W6] | 4-6 | 4-6 | 4000 | 0 | * |
| Eskdalemuir | 1024·3 | +16 | E'S | 2 | c | 42 | 65 | 8 | 5 | 3 | 2 | 2-3 | 7-8 | 1500 | 1 | * |
| Point of Ayre | 1025·9 | +6 | N'W | 4 | c | 47 | 85 | 8 | 4 | 4 | 6 | 1 | 9 | 2500 | 1 | 3 |
| Tiree | 1025·5 | +10 | NW | 4 | c | 46 | 75 | 7 | 8 | — | — | 7-8 | 7-8 | 1500 | 0 | 3 |
| Stornoway | 1021·7 | +8 | WNW | 5 | bc | 44 | 75 | 8 | 8 | 4 | — | 2-3 | 4-6 | 2500 | 1 | 3 |
| Dalwhinnie | 1023·2 | +8 | WNW | 5 | bc | 39 | 65 | 7 | 4 | 6 | 1 | 2-3 | 4-6 | 2500 | 0 | * |
| Aberdeen | 1019·4 | +10 | NW | 5 | b/pr | 43 | 65 | 9 | 2 | — | 1 | 1 | 1 | 1500 | 0 | 1 |
| Wick | 1017·5 | +16 | WNW | 5 | c/pr | 41 | 85 | 7 | 8 | 7 | — | 4-6 | 7-8 | 1500 | 1 | 2 |
| Lerwick | 1010·6 | +28 | NNW | 5 | c/phr | 38 | 85 | 8 | 8 | 7 | — | 7-8 | 9 | 1500 | 1 | * |
| Blacksod Point | 1029·1 | +4 | NW | 3 | ir | 49 | 97 | 6 | 6 | — | — | 10 | 10 | 450 | 1 | 3 |
| Malin Head | 1027·4 | +6 | SW | 4 | c | 47 | 75 | 7 | 4 | 6 | 4 | 4-6 | 7-8 | 4000 | 1 | 3 |
| Aldergrove | 1027·7 | +10 | W'N | 3 | c | 45 | 85 | 7 | 5 | — | 7 | 2-3 | 10 | 4000 | 1 | * |
| Birr Castle | 1029·2 | +2 | W | 1 | ido | 49 | 85 | 7 | 5 | — | — | 10 | 10 | 2500 | 1 | * |
| Valentia Obsy. † | 1029·5 | +2 | — | 0 | c | 47 | 92 | 7 | 5 | — | — | 9+ | 9+ | 450 | 0 | 1 |
| Roches Point | 1029·6 | * | N | 3 | c | 47 | 92 | 8 | 5 | — | — | 7-8 | 7-8 | 2500 | 0 | 2 |

### PAST 24 HOURS.

| Stations | Temperature Max. Day 7h–18h °F. (31) | Temperature Min. Night 18h–7h °F. (32) | Temperature Min. on Grass °F. (33) | Rainfall Day 7h–18h mm. (34) | Rainfall Night 18h–7h mm. (35) | Sunshine 6th Hrs. (36) |
|---|---|---|---|---|---|---|
| London (Kew) | 62 | 41 | 31 | — | — | 7·2 |
| Croydon | 62 | 43 | 37 | — | — | 3·6 |
| S. Farnborough | 65 | 40 | 29 | — | — | 7·8 |
| Boscombe Down | 63 | 40 | 33 | — | — | 8·9 |
| Calshot (Sthmtn.) | 64 | 38 | 35 | — | — | 6·9 |
| Lympne | 59 | 41 | 34 | — | — | 1·9 |
| Manston | 60 | 40 | 36 | — | — | 2·1 |
| Shoeburyness | 63 | 43 | 32 | — | — | 2·9 |
| Felixstowe | 62 | 44 | 37 | — | — | 3·5 |
| Gorleston | 60 | 42 | 41 | — | — | 1·4 |
| Mildenhall | 63 | 39 | 34 | — | Tr | 6·0 |
| Cranwell | 60 | 44 | 40 | — | — | 7·5 |
| Birmingham | 59 | 48 | 44 | — | — | 5·3 |
| Upper Heyford | 62 | 42 | 29 | — | — | * |
| Ross-on-Wye | 65 | 38 | 30 | — | — | 10·8 |
| Bristol | 62 | 38 | 29 | — | — | 10·0 |
| Portland Bill | 54 | 47 | * | — | — | * |
| Plymouth | 57 | 45 | 40 | — | — | 4·8 |
| The Lizard | 56 | 43 | * | — | Tr | 6·3 |
| Scilly (St. Mary's) | 53 | 45 | * | Tr | 0·1 | 0·9 |
| Guernsey | 56 | 45 | 39 | — | — | 7·3 |
| Pembroke | 54 | 45 | * | — | — | 7·8 |
| Holyhead | 56 | 47 | 43 | — | Tr | 6·7 |
| Chester (Sealand) | 56 | 49 | 45 | — | Tr | 3·0 |
| Manchester | 56 | 46 | 41 | Tr | — | 2·3 |
| Spurn Head | 55 | 48 | * | — | — | 8·5 |
| Catterick | 60 | 47 | 45 | — | — | 8·2 |
| Tynemouth | 59 | 45 | 40 | — | Tr | 9·8 |
| St. Abb's Head | 57 | 44 | * | — | — | * |
| Leuchars | 61 | 45 | 38 | — | — | 5·6 |
| Renfrew (Abbots I.) | 56 | 45 | 40 | 0·3 | Tr | 0·6 |
| Eskdalemuir | 55 | 41 | 37 | Tr | 0·5 | 4·6 |
| Point of Ayre | 57 | 46 | * | — | 0·3 | 3·4 |
| Tiree | 52 | 45 | * | Tr | — | 0·0 |
| Stornoway | 52 | 41 | * | 0·5 | 1 | 1·7 |
| Dalwhinnie | 52 | 38 | 33 | Tr | Tr | 1·4 |
| Aberdeen | 63 | 41 | 33 [37] | — | Tr | 7·6 |
| Wick | 57 | 39 | * | 1 | 2 | * |
| Lerwick | 50 | 37 | * | 1 | 2 | 1·5 |
| Blacksod Point | 52 | 48 | * | — | 0·5 | * |
| Malin Head | 51 | 44 | * | — | 1 | 0·3 |
| Aldergrove | 61 | 43 | 38 | — | 0·1 | 1·8 |
| Birr Castle | 59 | 47 | * | — | Tr | 8·1 |
| Valentia Obsy. † | 55 | 44 | 38 | — | Tr | 7·7 |
| Roches Point | 62 | 45 | * | — | Tr | * |

### LONDON OBSERVATIONS

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations except for rainfall which is 9h—18h.

| Station | Height above M.S.L. in feet | Weather Morning (24 hrs. ended 9h.) | Weather Afternoon | Weather Night | Temperature Day Max. °F. | Temperature Night Min. °F. | Temperature Min. on Grass °F. | Rainfall Day mm. | Rainfall Night mm. | Sunshine to Sunset hrs. (Yesterday) | Humidity 15h. G.M.T. % (Yesterday) | Humidity 9h. G.M.T. % (To-day) | Visibility 9h. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kew ... | 18 | cmoc | cbczoy | bczobm | 62 | 41 | 31 | — | — | 7·2 | • | • | 7 |
| Croydon ... | 217 | cmozo | cbcbzo | bczmym | 62 | 43 | 37 | — | — | 3·6 | • | • | 6 |
| Greenwich (Royal Observatory) ... | 149 | c | cy | cbc | 63 | 42 | 33 | — | — | 3·4 | 56 | 71 | 6 |
| City (Bunhill Row) ... | — | • | • | • | • | • | • | • | • | 4·9 | • | • | • |
| Westminster (St. James' Park) ... | 27 | • | • | • | 63 | 42 | 36 | — | — | 5·0 | 59 | 75 | • |
| Regents Pk. (Botanic Gardens)‡ ... | 166 | • | • | • | [63] | [42] | [37] | [—] | [—] | [*45] | [72] | [86] | • |
| Camden Square ... | 110 | c | bcb | • | 64 | 43 | 34 | — | — | • | • | 70 | • |
| Kensington ... | 80 | bczcbc | bc | • | 64 | 43 | 39 | — | — | 5·6 | 63 (15h.) | 91 | • |
| Hampstead Observatory ... | 450 | bc | bc | bc | 62 | 41 | 35 | — | — | 5·1 | • | 85 | • |

### Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. 7th

| | Max. | Time. | Min. | Time. |
|---|---|---|---|---|
| South Kensington. | 0·3 | 19h 6th | <0·3 | 4-6h 7th |
| Kew Observatory. | 0·2 | 19h 6th | <0·1 | 11h 6th |

### FOREIGN OBSERVATIONS.

| Stations | 18h. G.M.T. 6th April Barom. mb. | Wind Direc. | Wind Force | Weather | Temp. °F. | 7h. G.M.T. 7th April Barom. mb. | Wind Direc. | Wind Force | Weather | Temp. °F. | Past 24 Hours Max. Day °F. | Min. Night °F. | Rainfall Day mm. | Rainfall Night mm. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Paris ... | 1025·7 | WNW | 3 | zo | 55 | 1025·9 | W | 2 | zo | 46 | 61 | 43 | — | — |
| Brussels ... | 1024·3 | WNW | 2 | zo | 52 | | | | | | * | | 0·1 | |
| Berlin ... | 1013·3 | W'N | 4 | c | 52 | 1011·9 | W | 5 | o | 48 | 52 | 46 | Tr | Tr |
| Zürich ... | 1023·9 | -SSE | 1 | c | 52 | 1024·3 | SSE | 1 | c | 46 | 55 | 43 | — | — |
| Rome ... | 1016·5 | WSW | 4 | c | 52 | | | | | | * | * | — | |

## EXPLANATION of FIGURES, LETTERS, etc.

**COLUMNS 2, 16.**

The barometric tendency is expressed in tenths of a millibar.

**COLUMNS 4, 18.**

The Beaufort Scale of Wind is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers is the speed at about 30 feet above the ground.

| Beaufort No | Statute m/h. | Beaufort No. | Statute m/h. | Beaufort No. | Statute m/h. |
|---|---|---|---|---|---|
| 0 | <1 | 4 | 13–18 | 9 | 47–54 |
| 1 | 1–3 | 5 | 19–24 | 10 | 55–63 |
| 2 | 4–7 | 6 | 25–31 | 11 | 64–75 |
| 3 | 8–12 | 7 | 32–38 | 12 | > 75 |
| | | 8 | 39–46 | | |

**COLUMNS 34, 35.**

Tr. = rain has fallen, but amount less than 0·1 mm.

**COLUMNS 8, 22.—Code for surface visibility.**

| | Objects not visible at |
|---|---|
| 0 Dense fog | 55 yards. |
| 1 Thick fog | 220 ,, |
| 2 Fog | 550 ,, |
| 3 Moderate fog | 1,100 ,, |
| 4 Mist or haze | 1½ miles. |
| 5 Poor visibility | 2½ ,, |
| 6 Moderate ,, | 6¼ ,, |
| 7 Good ,, | 12½ ,, |
| 8 Very good ,, | 31 ,, |
| 9 Excellent ,, | beyond 31m. |

**COLUMN 30.—Code for State of Sea.**

0 Calm. 5 Very rough.
1 Smooth. 6 High.
2 Slight. 7 Very high.
3 Moderate. 8 Precipitous.
4 Rough. 9 Confused.

TERMS OF SUBSCRIPTION } Single Copies, 1d. each: by post 1½d. 2/6 per month; 6/6 per quarter; 25/- per year.

METEOROLOGICAL OFFICE. AIR MINISTRY, ADASTRAL HOUSE, KINGSWAY, LONDON, W.C.2.

George C. Simpson, K.C.B., D.Sc., F.R.S., Director.

† 1 hr. observations are from Valentia W/T Station. ‡ Maximum and Minimum Temperatures are for the 24 hours ending 8 h. § Sea disturbance reported from Dungeness.

AIR MINISTRY.

# THE DAILY WEATHER REPORT

## OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Friday 8th April, 1938

No. 27896

### OBSERVATIONS at 13h. G.M.T. 7th April

| District | Stations. (For heights see p. 4.) | Barom. at M.S.L. mb. (1) | Change in 3 hours. (2) | Wind. Direc. (3) | Wind. Force 0–12 (4) | Weather. (5) | °Temp. °F. (6) | % Humid. (7) | Visibility 0–9 (8) | Cloud. Form. Low (9) | Form. Med. (10) | Form. High (11) | Amount. Low 0–10 (12) | Amount. Total 0–10 (13) | Height of Base (feet) (14) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | London (Kew) | 1024·6 | −8 | NNW | 3 | bc | 60 | 55 | 8 | 1 | - | 4 | 1 | 4-6 | 2500 |
| | Croydon ... | 1024·8 | −10 | NW | 3 | bc | 59 | 55 | 7 | 1 | - | 2 | 1 | 4-6 | 4000 |
| | S. Farnborough | 1024·9 | −12 | N | 2 | bc | 62 | 45 | 8 | 1 | - | 1 | 1 | 2-3 | 4000 |
| | Boscombe Down | 1026·2 | −14 | N'W | 3 | bc | 59 | 55 | 8 | 1 | - | 8 | 2-3 | 4-6 | 2500 |
| | Calshot (Sthmtn.) | 1025·5 | −14 | NW | 3 | b | 61 | 55 | 8 | 1 | - | 1 | 1 | 1 | 4000 |
| | Lympne ... | 1024·7 | −4 | NNW | 3 | c | 57 | 65 | 7 | 5 | - | - | 9+ | 9+ | 4000 |
| | Manston ... | 1024·1 | −8 | NW'N | 3 | bc | 59 | 65 | 6 | 7 | - | 1 | 4-6 | 4-6 | 5700 |
| 2 | Shoeburyness ... | 1024·2 | −8 | NW | 2 | c | 61 | 55 | 7 | 7 | - | - | 7-8 | 7-8 | 4000 |
| | Felixstowe ... | 1023·6 | −6 | WNW | 2 | c | 60 | 45 | 8 | 8 | - | - | 7-8 | 7-8 | 2500 |
| | Gorleston ... | 1024·1 | +10 | NW'N | 2 4 | bc | 53 | 55 | 6 | 7 | 3 | - | 4-6 | 4-6 | 2500 |
| | Mildenhall ... | 1024·0 | −6 | NNW | 3 | c | 59 | 55 | 7 | 1 | - | 6 | 2-3 | 7-8 | 4000 |
| | Cranwell ... | 1024·3 | 0 | NNW | 4 | c | 56 | 55 | 7 | 1 | 5 | 6 | Tr | 9+ | 4000 |
| 3 | Birmingham ... | 1026·2 | 0 | NNW | 3 | c | 53 | 55 | 6 | 1 | 4 | 8 | 1 | 9 | 4000 |
| | Upper Heyford | 1025·9 | −6 | NW'N | 4 | c | 57 | 55 | 7 | 1 | 5 | 6 | Tr | 9 | 2500 |
| 4 | Ross-on-Wye | 1025·5 | −8 | N'E | 2 | bc | 62 | 45 | 9 | 1 | 4 | 1 | 2-3 | 2-3 | 4000 |
| 5 | Bristol ... | 1026·5 | −14 | WNW | 3 | bc | 60 | 65 | 8 | 4 | - | 1 | 4-6 | 4-6 | 4000 |
| | Portland Bill ... | 1026·1 | −6 | WNW | 2 | c | 56 | 75 | 7 | | | | 7-8 | 7-8 | 2500 |
| | Plymouth ... | 1026·8 | −10 | N | 3 | b | 58 | 65 | 8 | 2 | - | 8 | Tr | 1 | 2500 |
| | The Lizard ... | 1027·4 | −6 | NE | 1 | bc | 59 | 75 | 8 | 7 | - | - | 2-3 | 2-3 | 4000 |
| | Scilly (St. Mary's) | 1028·5 | −6 | NE | 4 | bc | 53 | 85 | 7 | 5 | 4 | - | 1 | 4-6 | 2500 |
| | Guernsey ... | 1027·1 | −4 | NW | 1 | c | 54 | 65 | 6 | 4 | 3 | - | 4-6 | 9 | 4000 |
| 6 | Pembroke ... | 1029·0 | +4 | NW | 3 | c | 54 | 85 | 8 | 5 | 2 | - | 4-6 | 9+ | 2500 |
| 7 | Holyhead ... | 1028·5 | +2 | NW'N | 2 | c | 52 | 75 | 8 | 1 | 9 | 8 | Tr | 7-8 | 2500 |
| | Chester (Sealand) | 1027·4 | −2 | NW | 5 | c | 51 | 65 | 7 | 8 | 3 | 7 | 2-3 | 9+ | 2500 |
| 8 | Manchester ... | 1026·2 | −2 | NW'N | 5 | c | 52 | 65 | 7 | 7 | 7 | 6 | 2-3 | 9+ | 4000 |
| 10 | Spurn Head ... | 1024·1 | +6 | N'E | 3 | c | 53 | 65 | 7 | 4 | 1 | - | 2-3 | 9+ | 2500 |
| | Catterick ... | 1024·5 | −2 | NW'N | 4 | c | 54 | 45 | 8 | 1 | - | 6 | 4-6 | 9+ | 4000 |
| | Tynemouth ... | 1023·1 | +4 | WNW | 3 | c | 52 | 45 | 6 | 8 | - | - | 7-8 | 7-8 | 1500 |
| 11 | St. Abbs Head . | 1022·2 | −2 | WNW | 3 | c | 48 | 55 | 9 | 2 | 6 | 1 | 2-3 | 7-8 | 2500 |
| | Leuchars ... | 1022·9 | 0 | NW | 4 | c | 52 | 45 | 9 | 7 | 7 | 8 | 4-6 | 7-8 | 2500 |
| 12 | Renfrew (Abbots I.) | 1024·7 | −6 | NW'N | 5 | bc | 52 | 65 | 9 | 2 | 4 | 9 | 2-3 | 4-6 | 4000 |
| | Eskdalemuir ... | 1024·2 | −6 | NNW | 6 | c | 49 | 55 | 8 | 5 | 3 | 2 | 4-6 | 9 | 1500 |
| | Point of Ayre ... | 1027·5 | +6 | NW'N | 5 | c | 51 | 75 | 8 | 4 | 6 | 6 | 1 | 9 | 4000 |
| 13A | Tiree ... | 1027·1 | +8 | NNW | 4 | c | 50 | 75 | 8 | 8 | 3 | - | 2-3 | 9+ | 2500 |
| 13B | Stornoway ... | 1024·2 | +8 | NW | 6 | c | 46 | 75 | 8 | 8 | 7 | - | 4-6 | 9 | 2500 |
| 15 | Dalwhinnie ... | 1024·5 | +4 | WNW | 5 | c | 44 | 55 | 8 | 5 | 6 | - | 4-6 | 9 | 2500 |
| | Aberdeen ... | 1021·0 | +14 | NW | 5 | jp | 49 | 55 | 8 | 8 | - | - | 9+ | 9+ | 2500 |
| | Wick ... | 1019·7 | +14 | NW | 8 | c | 47 | 55 | 7 | 8 | 7 | - | 4-6 | 7-8 | 1500 |
| 16 | Lerwick ... | 1013·9 | +10 | NNW | 7 | c | 40 | 75 | 8 | 8 | 7 | - | 4-6 | 7-8 | 1500 |
| 17 | Blacksod Point | 1029·9 | 0 | NW | 3 | c | 53 | 75 | 8 | 5 | - | - | 7-8 | 7-8 | 4000 |
| 18 | Malin Head ... | 1029·2 | +8 | NW | 3 | bc | 49 | 85 | 7 | 4 | - | 2 | 2-3 | 4-6 | 2500 |
| | Aldergrove ... | 1028·4 | +2 | NNW | 3 | c | 51 | 65 | 8 | 5 | - | 8 | 7-8 | 9+ | 2500 |
| 19 | Birr Castle ... | 1029·0 | −2 | W | 1 | c | 54 | 75 | 8 | 5 | 1 | - | 7-8 | 10 | 1500 |
| 20 | Valentia Obsy. † | 1029·6 | 0 | SSW | 3 | c | 52 | 85 | 7 | 5 | - | - | 10 | 10 | 800 |
| | Roches Point | 1029·9 | + | S'E | 2 | bc | 53 | 85 | 8 | 7 | - | - | 4-6 | 4-6 | 2500 |

### OBSERVATIONS at 18h. G.M.T. 7th April

| District | Stations. | Barom. at M.S.L. mb. (15) | Change in 3 hours. (16) | Wind. Direc. (17) | Wind. Force 0–12 (18) | Weather. (19) | °Temp. °F. (20) | % Humid. (21) | Visibility 0–9 (22) | Cloud. Form. Low (23) | Form. Med. (24) | Form. High (25) | Amount. Low 0–10 (26) | Amount. Total 0–10 (27) | Height of Base (feet) (28) | State of Ground. 0–9 (29) | Sea. 0–9 (30) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | London (Kew) | 1024·6 | +6 | NNW | 3 | c | 57 | 45 | 6 | - | - | 6 | 0 | 9 | - | 0 | * |
| | Croydon ... | 1024·1 | +2 | NW | 3 | z | 58 | 45 | 6 | - | 3 | 3 | 0 | 7-8 | - | 0 | * |
| | S. Farnborough | 1024·4 | +2 | N | 3 | bc | 59 | 45 | 8 | - | - | 4 | 0 | 4-6 | - | 0 | * |
| | Boscombe Down | 1024·3 | −2 | N | 3 | bc | 60 | 55 | 8 | - | 4 | 6 | 0 | 4-6 | - | 0 | * |
| | Calshot (Sthmtn.) | 1023·9 | −4 | NNW | 4 | bc | 59 | 55 | 8 | - | 4 | 4 | 0 | 4-6 | - | 0 | 1 |
| | Lympne ... | 1024·2 | 0 | NE'E | 3 | bc | 48 | 75 | 8 | - | - | 4 | 0 | 4-6 | - | 0 | 1 |
| | Manston ... | 1024·2 | −2 | E | 2 | bc | 47 | 75 | 7 | 5 | - | 2 | 2-3 | 4-6 | 2500 | 0 | * |
| 2 | Shoeburyness ... | 1024·5 | +10 | E'S | 3 | c | 48 | 75 | 8 | 5 | - | 1 | 7-8 | 9 | 4000 | 0 | * |
| | Felixstowe ... | 1024·2 | +2 | NE'E | 3 | bc | 47 | 75 | 8 | 4 | - | 6 | 1 | 4-6 | 5700 | 0 | 2 |
| | Gorleston ... | 1023·7 | +2 | NNW | 3 | bc | 48 | 65 | 6 | - | 4 | - | 0 | 4-6 | - | 0 | 2 |
| | Mildenhall ... | 1023·8 | +2 | NE | 2 | c | 53 | 55 | 7 | - | 4 | 6 | 0 | 9 | - | 0 | * |
| | Cranwell ... | 1024·3 | +6 | WNW | 5 | c | 53 | 55 | 7 | - | - | 6 | 0 | 7-8 | - | 0 | * |
| 3 | Birmingham ... | 1026·4 | +2 | NNW | 4 | c | 48 | 65 | 6 | 1 | 9 | - | Tr | 9 | 4000 | 0 | * |
| | Upper Heyford | 1025·4 | +2 | NNW | 3 | z | 51 | 65 | 6 | - | 7 | - | 0 | 9+ | - | 0 | * |
| 4 | Ross-on-Wye | 1025·9 | +6 | N'E | 3 | c | 55 | 55 | 8 | - | 7 | 9 | 0 | 9 | - | 0 | * |
| 5 | Bristol ... | 1025·0 | −6 | W | 2 | bc | 56 | 75 | 8 | 1 | 3 | 8 | Tr | 4-6 | 4000 | 0 | * |
| | Portland Bill ... | 1024·8 | −10 | W | 2 | bc | 52 | 85 | 7 | 4 | - | - | 2-3 | 2-3 | 2500 | 0 | 2 |
| | Plymouth ... | 1025·4 | −6 | NNW | 3 | bc | 57 | 65 | 8 | - | - | 8 | 0 | 2-3 | - | 0 | 2 |
| | The Lizard ... | 1026·4 | −2 | N'E | 1 | bc | 57 | 75 | 8 | 7 | 7 | - | 4-6 | 4-6 | 4000 | 0 | 2 |
| | Scilly (St. Mary's) | 1027·1 | −4 | NE'N | 3 | bc | 51 | 85 | 8 | - | 4 | 4 | 0 | 4-6 | - | 0 | 2 |
| | Guernsey ... | 1025·9 | −2 | - | 0 | bc | 53 | 85 | 7 | - | - | 8 | 0 | 2-3 | - | 0 | 1 |
| 6 | Pembroke ... | 1027·8 | −4 | NNE | 3 | c | 51 | 75 | 8 | 7 | 7 | 9 | 2-3 | 9 | 4000 | 0 | 1 |
| 7 | Holyhead ... | 1027·8 | −2 | N | 1 | bc | 49 | 75 | 8 | - | - | 8 | 0 | 4-6 | - | 0 | 1 |
| | Chester (Sealand) | 1027·4 | +2 | WNW | 4 | c | 48 | 75 | 7 | 5 | 9 | - | Tr | 7-8 | 2500 | 0 | * |
| 8 | Manchester ... | 1026·2 | −2 | NW | 5 | c | 50 | 55 | 7 | 7 | 9 | 6 | 2-3 | 7-8 | 4000 | 1 | * |
| 10 | Spurn Head ... | 1023·6 | 0 | - | 0 | c | 49 | 75 | 7 | 8 | 7 | 6 | 4-6 | 9+ | 800 | 0 | 1 |
| | Catterick ... | 1023·8 | +2 | NW'N | 4 | c | 51 | 45 | 8 | 5 | 5 | 9 | 2-3 | 7-8 | 2500 | 0 | * |
| | Tynemouth ... | 1023·3 | +4 | N | 2 | c | 50 | 55 | 8 | 8 | - | 1 | 7-8 | 7-8 | 1500 | 0 | 1 |
| 11 | St. Abbs Head . | 1022·2 | +2 | NW | 4 | bc | 48 | 65 | 8 | 6 2 | 1 6 | - | 2-3 | 4-6 | 2500 | 0 | 3 |
| | Leuchars ... | 1023·8 | +10 | NW | 5 | bc/pr | 49 | 55 | 9 | 7 | - | 8 | 4-6 | 4-6 | 4000 | 0 | * |
| 12 | Renfrew (Abbots I.) | 1025·3 | +6 | NW'N | 5 | bc | 48 | 65 | 9 | 7 | - | 2 | 2-3 | 4-6 | 4000 | 0 | * |
| | Eskdalemuir ... | 1024·5 | +4 | NW | 4 | bc | 47 | 55 | 8 | 5 | - | 2 | 1 | 4-6 | 4000 | 1 | * |
| | Point of Ayre ... | 1027·0 | 0 | NNW | 5 | c | 48 | 85 | 8 | 4 | 4 | 4 | 1 | 7-8 | 4000 | 0 | 3 |
| 13A | Tiree ... | 1027·6 | +4 | NNW | 5 | bc | 47 | 75 | 8 | 8 | 6 | - | 1 | 2-3 | 2500 | 0 | 3 |
| 13B | Stornoway ... | 1025·7 | +10 | NNW | 4 | c | 45 | 65 | 8 | 8 | 7 | - | 4-6 | 7-8 | 2500 | 1 | 2 |
| 15 | Dalwhinnie ... | 1025·9 | +12 | NW | 3 | bc | 41 | 65 | 8 | 4 | 6 | - | 2-3 | 4-6 | 2500 | 0 | * |
| | Aberdeen ... | 1022·7 | +14 | NW'N | 4 | jp | 44 | 65 | 8 | 8 | - | - | 9 | 9 | 1500 | 0 | 2 |
| | Wick ... | 1021·5 | +8 | NW | 8 | c | 43 | 65 | 8 | 8 | 6 | - | 4-6 | 7-8 | 1500 | 1 | 4 |
| 16 | Lerwick ... | 1016·9 | +14 | NNW | 7 | c/phr | 37 | 85 | 8 | 8 | 7 | - | 4-6 | 7-8 | 1500 | 1 | * |
| 17 | Blacksod Point | 1029·4 | 0 | N'E | 3 | bc | 50 | 92 | 8 | 5 | - | - | 2-3 | 2-3 | 1500 | 0 | 3 |
| 18 | Malin Head ... | 1029·1 | 0 | NNW | 3 | c | 48 | 85 | 7 | 8 | - | 9 | 2-3 | 7-8 | 2500 | 1 | 3 |
| | Aldergrove ... | 1028·6 | 0 | NW'N | 4 | c | 49 | 65 | 7 | 4 | 3 | 1 | 1 | 7-8 | 2500 | 1 | * |
| 19 | Birr Castle ... | 1028·3 | −4 | W | 1 | c | 54 | 85 | 8 | 5 | - | - | 7-8 | 7-8 | 1500 | 1 | * |
| 20 | Valentia Obsy. † | 1028·2 | −4 | N'W | 2 | c | 50 | 85 | 7 | 5 | - | - | 10 | 10 | 800 | 0 | 1 |
| | Roches Point | 1028·1 | * | SW | 2 | bc | 50 | 92 | 8 | - | - | 5 | 0 | 4-6 | - | 0 | 1 |

### PAST 24 HOURS.

| District | Stations. | Weather 7h.–13h. 7th (37) | 13h.–18h. 7th (38) | 18h. 7th to 1h. 8th (39) | 1h.–7h. 8th (40) |
|---|---|---|---|---|---|
| 1 | London (Kew) | ccz.bcy | bccz.y | cz.y | bcm. |
| | Croydon ... | bcm.z. | bccy | cyz., bm.w | bm.w |
| | S. Farnborough | b.cby | bbcy | bcb | bm.x |
| | Boscombe Down | bccbcy | bcy | bcyb | bbm. |
| | Calshot (Sthmtn.) | bm..c.by | by bcy | bcyb | bw |
| | Lympne ... | bccm.z. | cbcz. | bcbm.w | bbcm.wx |
| | Manston ... | cm.z. | bcz.bc | bcbxbcw | bccm.w |
| 2 | Shoeburyness ... | m.bcz.c | cbcyc | c.bw | bxbcbz. |
| | Felixstowe ... | cm.bccy | cybc | bcb | bw |
| | Gorleston ... | cbcqy | cbc | bcbbc | bcc |
| | Mildenhall ... | bam.cy | cybcy | cbcbw | bm.x bcm |
| | Cranwell ... | cbcycy⊕ | cz.cy | cybm. | bm.x |
| 3 | Birmingham ... | c | cbcc | cb | bbc |
| | Upper Heyford | c | cczy | cbz. | bbw |
| 4 | Ross-on-Wye | bcv | bcy√cy | cb | bx |
| 5 | Bristol ... | bcb | bc | bcwb | bbcxb |
| | Portland Bill ... | bbc | cbc | bc | bc |
| | Plymouth ... | om.b | bbc | bcc ◐ | bcm.zb |
| | The Lizard ... | cbc | bc | bcb | bbc |
| | Scilly (St. Mary's) | bccbc | bc | bcbw | bbcb |
| | Guernsey ... | bbcc | cbc | bcbw | bcw |
| 6 | Pembroke ... | c | bcc | bc | bw |
| 7 | Holyhead ... | cid.m.⊕ | cbc | bcwb | b |
| | Chester (Sealand) | cd.m.bc⊕ | c⊕bc | bcb | bwm. |
| 8 | Manchester ... | c | cbc | bcybw | bx |
| 10 | Spurn Head ... | c | c | c | cq |
| | Catterick ... | cy | cybcy | cybcbbc | bcb |
| | Tynemouth ... | bcc | cbcc | cbc | bcc |
| 11 | St. Abbs Head . | cy | c | cqbcy | bcy |
| | Leuchars ... | cbccy | cbcypr. | bcybc | bcxbcy |
| 12 | Renfrew (Abbots I.) | pr.cbc | bcv | bbc | bcbwx |
| | Eskdalemuir ... | bccy | cbcy | bcyb | bbx |
| | Point of Ayre ... | cbcc | c | cbcb | b |
| 13A | Tiree ... | c | cb | bbc | bbc |
| 13B | Stornoway ... | bccpr q | cpr q | pr.bc | bcc |
| 15 | Dalwhinnie ... | cir | cir | * | bcc |
| | Aberdeen ... | bycy | yqprh | cbc | c |
| | Wick ... | cpr q IIII | c | c | c |
| 16 | Lerwick ... | cpr | cp hr SHP | cpr | c |
| 17 | Blacksod Point | cdrc | bc | bc | b |
| 18 | Malin Head ... | cbc | bcc | bcw | bc |
| | Aldergrove ... | c | cbcc | cbw | bwx |
| 19 | Birr Castle ... | oid.c | c | cb | b |
| 20 | Valentia Obsy. † | c | c | c | cofe |
| | Roches Point | cbc | bc | bcbw | bcw |

## EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

### COLUMNS 5, 19, 37, 38, 39, 40—BEAUFORT NOTATION AND SYMBOLS FOR WEATHER.

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog „ less than 220 yds.
fa, low fog over sea (coast station).
fg, low fog over land (inland station).
m, mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jf, fog at a distance, but not at station.
jp, precipitation within sight of station.
ks, storm of drifting snow.
$k/s_o$, slight storm of drifting snow (generally low).
k/S, heavy storm of drifting snow (generally low).
$s_o/k$, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze: the turbid atmosphere of dry weather.
h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus R, heavy rain. $r_o$, slight rain. rr, continuous rain.
<, less than (for cloud height).
⊕, Solar halo. ◐ lunar halo. ✐ gale.
With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions thus:—bc/r, fair weather after rain; —, has decreased; +, has increased.

### COLUMNS 9, 23.—FORM OF LOW CLOUD.

0 No low clouds.
1 Fair weather Cu.
2 Large Cu without anvil.
3 Cb.
4 Sc formed by the spreading out of Cu.
5 Layer of St or Sc.
6 Ragged low clouds of bad weather (or fractonimbus).
7 Fair weather Cu. and Sc.
8 Large-Cu (or Cb) and Sc.
9 Large-Cu (or Cb) and ragged low clouds of bad weather.

### COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4–6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries. "tr" signifies a small amount of cloud (trace) covering less than 1/20 of the sky. "9+" signifies an overcast sky with a few small openings.

### COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

0 No medium clouds.
1 Typical As (thin).
2 Typical As (thick) (sun or moon invisible), or Nimbostratus (Ns).
3 Single layer of Ac or high Sc.
4 Ac in isolated patches. Individually decreasing (often lenticular).
5 Ac in bands (increasing).
6 Ac formed from the spreading out of Cu.
7 Ac associated with As or As with parts resembling Ac.
8 Ac Castellatus (or Ac in ragged fragments).
9 Ac in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

### COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

0 No cirriform cloud.
1 Fine Ci not increasing: sparse.
2 Fine Ci not increasing: abundant but not a continuous layer.
3 Anvil Ci (usually dense).
4 Fine Ci increasing: usually in tufts.
5 Ci or Cs increasing: still below 45° altitude: often in polar bands.
6 Ci or Cs increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Cs covering whole sky.
8 Cs not increasing and not covering whole sky.
9 Cc predominating, and a little cirrus.
(Cc may occur with any of the types 1 to 8).

Cloud form abbreviations:—
Cirrus,–Ci: Cirrocumulus,–Cc: Cirrostratus,–Cs: Altocumulus,–Ac: Altostratus,–As
Stratocumulus,–Sc: Stratus,–St: Nimbostratus,–Ns: Cumulus,–Cu: Cumulonimbus,–Cb

### COLUMN 29.—STATE OF GROUND.

0 .. Ground dry.
1 .. „ wet.
2 .. „ flooded.
3 .. „ frozen hard and dry.
4 .. „ partly covered with snow or hail.
5 .. „ covered with ice or glazed frost.
6 .. Ground covered with thawing snow.
7 .. „ covered with snow, less than 6 ins., deep but ground not frozen.
8 .. „ covered with snow, less than 6 ins., but ground frozen.
9 .. „ covered with snow greater than 6 ins. deep.

NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

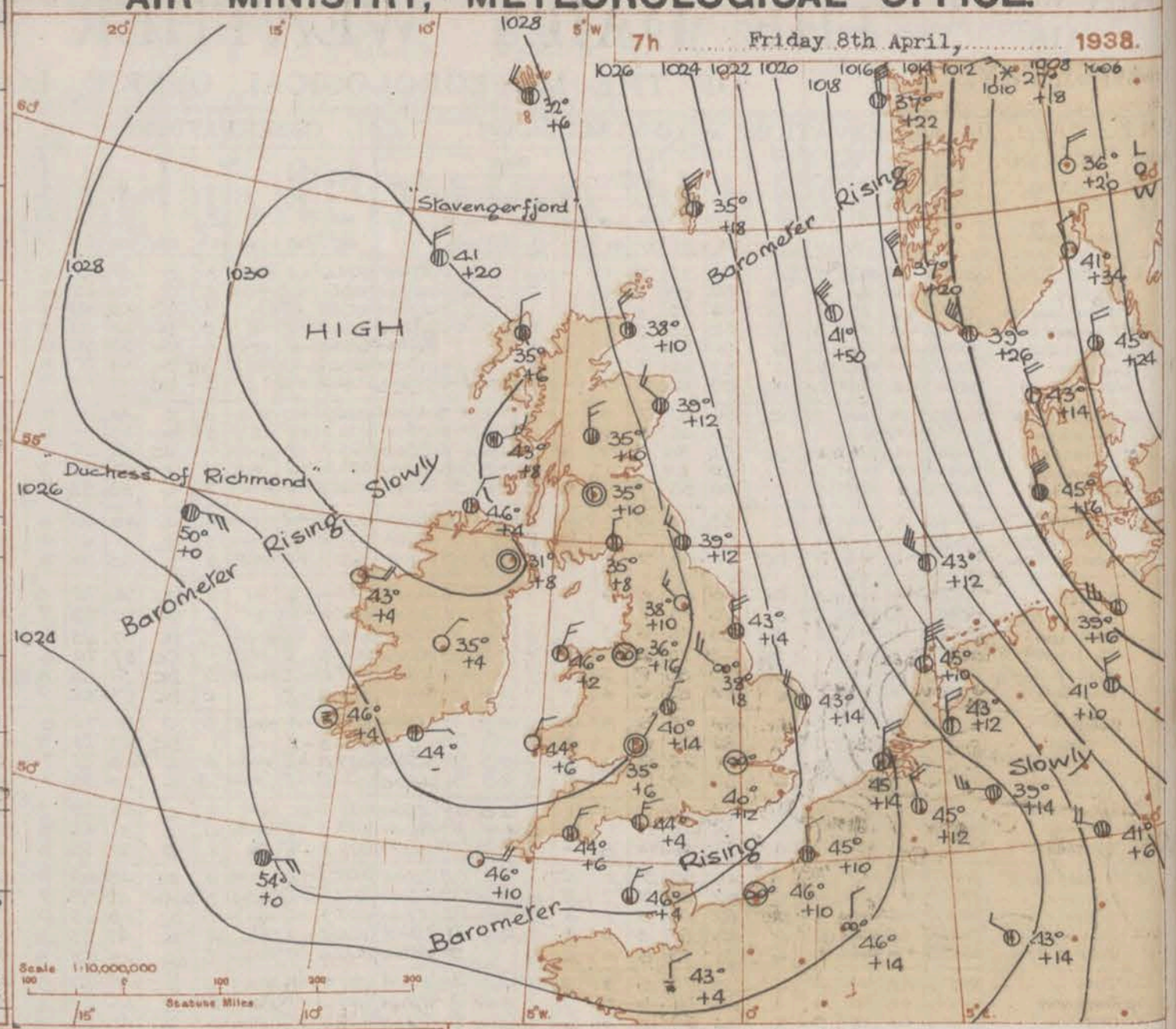
† Sea disturbance reported from Dungeness.

# AIR MINISTRY, METEOROLOGICAL OFFICE.

## REPORTS from HEALTH RESORTS for 7th April 1938

| Districts | Stations | Weather. Forenoon. | Weather. Afternoon. | Temperature. (°F.) Min. 9h. 6th to 9h. 7th | Temperature. (°F.) Max. 9h.—17h. 7th | Rainfall. (mm.) Night. 17h. 6th to 9h. 7th | Rainfall. (mm.) Day. 9h.—17h. 7th | Sunshine. (Hrs.) Sunrise to 17h. 7th | Sunshine. (Hrs.) Sunrise to Sunset. 6th |
|---|---|---|---|---|---|---|---|---|---|
| 1 | Tunbridge W. | bcc | bcb | 35 | 64 | - | - | 7·2 | 4·0 |
| | Bournemouth | b | b | 42 | 66 | - | - | 9·1 | 7·8 |
| | Ventnor ... | bcb | bbcb | 47 | 63 | - | - | 9·6 | 7·3 |
| | Southsea ... | bbc | b | 43 | 64 | - | - | 9·2 | 6·6 |
| | Bognor Regis | bbc | bcb | 42 | 64 | - | - | 9·5 | 5·3 |
| | Littlehampton | bc | bc | 40 | 64 | - | - | 9·4 | 5·0 |
| | Worthing ... | bbc | bcb | 42 | 62 | - | - | 8·9 | 4·9 |
| | Brighton ... | bbc | b | 42 | 62 | - | - | 8·8 | 4·0 |
| | Eastbourne† ... | bbc | bcyb | 47 | 64 | - | - | 9·5 | 2·6 |
| | Hastings† ... | bbc | bcc | 43 | 64 | - | - | 6·5 | 1·6 |
| | Folkestone ... | bcco | cbcb | 44 | 60 | - | - | 3·8 | 0·6 |
| | Dover ... | bcc | cocbc | 45 | 59 | - | - | 4·1 | 0·4 |
| | Deal ... ... | oc | cobcb | 45 | 60 | - | - | 4·3 | 0·9 |
| | Ramsgate ... | c | bc | 46 | 62 | - | - | 5·6 | 2·4 |
| | Margate ... | bc | bc | 46 | 53 | - | - | 6·5 | 2·7 |
| 2 | Southend ... | bbcc | cbcb | 43 | 65 | - | - | 5·6 | 3·3 |
| | Clacton-on-Sea | cbc | bc | 41 | 62 | - | - | 6·0 | 4·2 |
| | Dovercourt ... | bcv | bcv | 42 | 62 | - | - | 6·0 | 4·8 |
| | Lowestoft ... | bbcb | bbcb | 41 | 58 | - | - | 7·2 | 0·9 |
| | Skegness ... | cbc | cbc | 42 | 55 | - | - | 4·8 | 9·7 |
| | Mablethorpe... | bcy | by | 46 | 55 | - | - | 7·5 | 9·7 |
| | Cleethorpes ... | cbc | bc | 48 | 56 | - | - | 6·7 | 8·6 |
| 3 | Leamington S. | c | bcc | 41 | 58 | - | - | 2·1 | 7·8 |
| 4 | Cheltenham† | cbc | bbcgc | 38 | 63 | - | - | 6·7 | 9·4 |
| 5 | Bath ... ... | cbc | bcb | 41 | 64 | - | - | 8·1 | 9·9 |
| | Weymouth ... | b | cb | 41 | 63 | - | - | 9·4 | 8·4 |
| | Jersey ... | bc | bcb | 44 | 59 | - | - | 7·2 | 6·2 |
| | Torquay ... | wbcb | bbcb | 40 | 61 | - | - | 8·1 | 6·4 |
| | Falmouth | b | b | 45 | 61 | - | - | 7·2 | 4·2 |
| | Penzance ... | cbcb | b | 44 | 58 | - | - | 7·8 | 2·7 |
| | St. Ives ... | b | b | 44 | 58 | - | - | 6·8 | 2·2 |
| | Bude... ... | bcebc | cbc | 40 | 54 | - | - | 5·4 | 5·1 |
| | Ilfracombe ... | bcco | ocbc | 44 | 54 | - | - | 3·6 | 6·4 |
| 6 | Aberystwyth | cbc | bcc | 45 | 53 | - | - | 3·7 | 6·0 |
| 7 | Llandudno ... | bc | bc | 48 | 53 | Trace | - | 6·8 | 3·9 |
| | Colwyn Bay... | cbcc | bcb | 48 | 52 | 0·3 | - | 5·3 | 2·6 |
| | Rhyl ... ... | cbc | bc | 47 | 52 | 0·4 | - | 5·0 | 3·0 |
| 8 | Wallasey ... | bcc | cbcc | 47 | 53 | - | - | 5·8 | 2·1 |
| | Southport ... | bc | bcb | 47 | 55 | Trace | - | 8·2 | 3·2 |
| | Blackpool ... | bcc | cbcc | 45 | 52 | Trace | - | 7·8 | 3·3 |
| | Morecambe ... | b | cbc | 47 | 52 | - | - | 8·1 | 5·6 |
| 9 | Ilkley... ... | bc | bc | 47 | 58 | - | - | 6·4 | 5·8 |
| | Harrogate ... | bbc | bcc | 47 | 57 | - | - | 6·5 | 9·2 |
| 10 | Berwick-on-T. | cbcc | bcbbc | 44 | 54 | - | - | 7·3 | 9·6 |
| 11 | Dunbar ... | bcm. | bc | 42 | 53 | - | - | 5·0 | 7·1 |
| 12 | Troon... ... | cbc | bbc | 45 | 52 | - | - | 7·9 | 0·6 |
| | Douglas ... | bcpr | bc | 45 | 51 | 0·3 | - | 8·9 | 9·2 |

† Max. Temp. for period 21h. yesterday to 17h. to-day: Min. Temp. 21h.–9h.




BAROMETER. Isobars are drawn for intervals of two millibars.
WIND, WEATHER SYMBOLS. For explanation see opposite page.
SEA DISTURBANCE ~~ Rough. ≈≈ High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

## FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 8th April, 1938.

| Districts | Forecasts |
|---|---|
| 1 S.E. England<br>2 E. England ...<br>3 E. Midlands ...<br>4 W. Midlands ...<br>5 S.W. England<br>6 South Wales ...<br>7 North Wales ...<br>8 N.W. England<br>9 N. Midlands ... | Light winds between North and East. Fine; average day temperature. Ground frost at night. |
| 10 N.E. England<br>11 S.E. Scotland | Moderate northerly winds; fine; average day temperature. Ground frost at night. |
| 12 S.W. Scotland & Isle of Man.<br>13 A. W. Scotld. B.N.W.Scotland.<br>14 Mid Scotland | As 0 - 9. |
| 15 N. E. Scotland<br>16 Orkney and Shetland | As 10 - 11. |
| 17 N. W. Ireland<br>18 N. E. Ireland<br>19 S. E. Ireland<br>20 S. W. Ireland | Light easterly winds; fine. Average day temperature. Ground frost at night. |

### GENERAL INFERENCE

An anticyclone over the Hebrides is moving eastwards. Weather will be fine with average day temperatures, but ground frosts at night.

### FURTHER OUTLOOK.

Fair.

Forecasts issued at 9.15 G.M.T.

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S., Director.

H.M. Stationery Office Press, Kingsway W.C.2

# AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

## EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. Calm is indicated by circle outside weather symbol :—

TEMPERATURE is given in degrees F.

WEATHER SYMBOLS :— Clear sky. Sky less than 3/10 clouded. Sky 4/10 to 6/10 clouded. Sky 7/10 to 9/10 clouded. Overcast sky. Rain falling. Snow. Sleet. Hail. Fog. Mist. Thunder. Thunderstorm. Slight haze.

The hour of observation is not uniform throughout the Hemisphere; a chart showing the hours at which the observations are taken is contained in the Introduction

AIR MINISTRY.

# THE DAILY WEATHER REPORT

## OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Friday 8th April, 1938
No. 27896

### OBSERVATIONS at 1 hr. G.M.T. 8th April

| District | Stations | Height above M.S.L. in feet | Barom. at M.S.L. mb. (1) | Change in 3 hours (2) | Wind Direc. (3) | Wind Force 0–12 (4) | Weather (5) | Temp. °F. (6) | Humid. % (7) | Visibility 0–9 (8) | Cloud Form Low (9) | Cloud Form Med. (10) | Cloud Form High (11) | Cloud Amount Low 0–10 (12) | Cloud Amount Total 0–10 (13) | Height of Base (feet) (14) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | London (Kew) | 18 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Croydon | 217 | 1025.6 | +2 | WNW | 1 | b | 42 | 85 | 6 | — | — | — | 0 | 0 | — |
| | S. Farnborough | 220 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Boscombe Down | 417 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Calshot (Sthmtn.) | 8 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Lympne | 346 | 1025.0 | -2. | NNW | 2 | b | 39 | 92 | 6 | - | - | 1 | 0 | Tr | — |
| | Manston | 142 | 1024.7 | -2 | NWW | 1 | $z_0$ | 38 | 92 | 6 | - | 5 | - | 0 | 4-6 | - |
| 2 | Shoeburyness | 11 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Felixstowe | 15 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Gorleston | 5 | 1023.5 | -4 | W'S | 3 | bc | 45 | 75 | 6 | 5 | 3 | - | 2-3 | 2-3 | 4000 |
| | Mildenhall | 19 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Cranwell | 240 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 3 | Birmingham | 535 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Upper Heyford | 408 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 4 | Ross-on-Wye | 223 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 5 | Bristol | 209 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Portland Bill | 32 | 1025.8 | +6 | ENE | 3 | bc | 45 | 75 | 8 | 4 | - | - | 2-3 | 2-3 | 2500 |
| | Plymouth | 82 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | The Lizard | 240 | 1025.3 | 0 | NNE | 4 | b | 46 | 75 | 8 | - | - | - | 0 | 0 | - |
| | Scilly (St. Mary's) | 163 | 1026.4 | -2 | NE | 4 | b | 47 | 92 | 8 | - | - | 1 | 0 | 1 | - |
| | Guernsey | 175 | 1025.9 | 0 | N | 1 | bc | 48 | 97 | 6 | - | - | 8 | 0 | 2-3 | - |
| 6 | Pembroke | 142 | 1027.1 | +4 | NE'N | 4 | bc | 43 | 92 | 8 | 7 | - | - | 2-3 | 2-3 | 2500 |
| 7 | Holyhead | 26 | 1028.4 | +2 | N | 4 | b | 46 | 85 | 8 | 1 | - | - | Tr | Tr | 2500 |
| | Chester (Sealand) | 16 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 8 | Manchester | 70 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 10 | Spurn Head | 29 | 1024.9 | +10 | N'E | 4 | bc | 45 | 85 | 8 | 4 | - | - | 4-6 | 4-6 | 4000 |
| | Catterick | 175 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Tynemouth | 108 | 1025.8 | +12 | NW | 3 | bc | 43 | 65 | 6 | 2 | - | - | 4-6 | 4-6 | 1500 |
| 11 | St Abbs Head | 260 | 1026.0 | +8 | N | 6 | q | 43 | 55 | 9 | 2 | 6 | 9 | 2-3 | 4-6 | 4000 |
| | Leuchars | 36 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 12 | Renfrew (Abbots I.) | 19 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Eskdalemuir | 794 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Point of Ayre | 30 | 1028.4 | +6 | N | 4 | b | 45 | 85 | 8 | - | - | - | 0 | 0 | — |
| 13A | Tiree | 22 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 13B | Stornoway | 80 | 1029.3 | +14 | N | 3 | bc | 35 | 85 | 7 | 1 | - | - | 2-3 | 2-3 | 4000 |
| 15 | Dalwhinnie | 1176 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Aberdeen | 79 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Wick | 81 | 1026.0 | +12 | NW | 4 | c | 39 | 65 | 8 | 5 | 2 | - | 7-8 | 10 | 1500 |
| 16 | Lerwick | 156 | 1022.6 | +16 | NNW | 6 | c | 36 | 85 | 8 | 8 | 7 | - | 4-6 | 7-8 | 1500 |
| 17 | Blacksod Point | 18 | 1023.7 | 0 | E | 4 | b | 46 | 85 | 8 | - | - | - | 0 | 0 | - |
| 18 | Malin Head | 84 | 1025.6 | +2 | N'W | 2 | bc | 46 | 85 | 7 | 4 | - | 1 | 2-3 | 4-6 | 4000 |
| | Aldergrove | 268 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 19 | Birr Castle | 173 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 20 | Valentia Obsy.† | 30 | 1027.9 | -2 | - | 0 | o | 48 | 97 | 6 | 5 | - | - | 10 | 10 | 800 |
| | Roches Point | 22 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |

### OBSERVATIONS at 7 hr. G.M.T. 8th April

| Stations | Barom. at M.S.L. mb. (15) | Change in 3 hours (16) | Wind Direc. (17) | Wind Force 0–12 (18) | Weather (19) | Temp. °F. (20) | Humid. % (21) | Visibility 0–9 (22) | Cloud Form Low (23) | Cloud Form Med. (24) | Cloud Form High (25) | Cloud Amount Low 0–10 (26) | Cloud Amount Total 0–10 (27) | Height of Base (feet) (28) | State of Ground 0–9 (29) | Sea 0–9 (30) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| London (Kew) | 1027.1 | +12 | NNE | 3 | $z_0$ | 42 | 85 | 6 | 5 | - | - | 4-6 | 4-6 | 4000 | 0 | * |
| Croydon | 1027.1 | +12 | — | 0 | $z_0$ | 40 | 85 | 5 | — | 3 | — | 0 | 7-8 | — | 0 | * |
| S. Farnborough | 1027.6 | +14 | — | 0 | $z_0$ | 34 | 92 | 6 | — | - | - | 0 | 0 | — | 0 | * |
| Boscombe Down | 1028.2 | +10 | N'E | 3 | $z_0$ | 36 | 92 | 6 | — | - | - | 0 | 0 | — | 0 | * |
| Calshot (Sthmtn.) | 1026.8 | +12 | N'W | 3 | $z_0$ | 41 | 85 | 6 | — | - | - | 0 | 0 | - | 0 | 2 |
| Lympne | 1026.7 | +16 | N | 3 | $z_0$ | 41 | 85 | 6 | — | 3 | - | 0 | 2-3 | — | 0 | §1 |
| Manston | 1026.3 | +14 | NNE | 4 | bc | 44 | 75 | 8 | 5 | 7 | - | Tr | 4-6 | 2500 | 0 | * |
| Shoeburyness | 1026.7 | +16 | N | 2 | b | 43 | 75 | 6 | — | 4 | - | 0 | Tr | - | 0 | * |
| Felixstowe | 1026.2 | +12 | NW'N | 2 | b | 41 | 85 | 7 | 5 | - | - | Tr | Tr | 2500 | 0 | 1 |
| Gorleston | 1025.5 | +14 | NW'N | 4 | c | 43 | 65 | 6 | 2 | - | - | 7-8 | 7-8 | 2500 | 0 | 3 |
| Mildenhall | 1027.0 | +14 | NW | 1 | $z_0$ | 34 | 97 | 5 | 5 | - | - | Tr | Tr | 4000 | 0 | * |
| Cranwell | 1027.9 | +18 | NW'W | 3 | $z_0$ | 38 | 85 | 6 | — | - | - | 0 | 0 | - | 0 | * |
| Birmingham | 1027.9 | +14 | NE | 1 | c | 40 | 85 | 6 | - | 3 | - | 0 | 7-8 | - | 0 | * |
| Upper Heyford | 1027.8 | +14 | N'E | 2 | $z_0$ | 38 | 92 | 5 | - | 5 | - | 0 | 1 | - | 0 | * |
| Ross-on-Wye | 1028.2 | +6 | - | 0 | b | 35 | 92 | 7 | 5 | - | - | Tr | Tr | 1500 | 0 | * |
| Bristol | 1028.3 | +8 | NE | 2 | $z_0$ | 39 | 85 | 6 | — | - | - | 0 | 0 | — | 0 | * |
| Portland Bill | 1026.8 | +4 | NNE | 3 | bc | 44 | 75 | 7 | 4 | - | - | 2-3 | 2-3 | 2500 | 0 | 3 |
| Plymouth | 1026.7 | +6 | NE | 3 | bc | 44 | 75 | 8 | - | 4 | 8 | 0 | 2-3 | - | 0 | 1 |
| The Lizard | 1026.6 | +6 | E'N | 4 | bc | 47 | 75 | 7 | 7 | 4 | - | 2-3 | 2-3 | 4000 | 0 | 2 |
| Scilly (St. Mary's) | 1026.3 | +10 | E | 4 | b | 46 | 85 | 7 | - | - | 1 | 0 | Tr | - | 0 | 3 |
| Guernsey | 1026.2 | +4 | NE | 3 | bc | 46 | 85 | 6 | — | - | 8 | 0 | 4-6 | — | 0 | 2 |
| Pembroke | 1028.4 | +6 | NE | 2 | b | 44 | 85 | 8 | - | 7 | - | 0 | 1 | - | 0 | 1 |
| Holyhead | 1028.6 | +2 | NE'N | 3 | b | 46 | 85 | 8 | 1 | - | - | 1 | 1 | 2500 | 0 | 2 |
| Chester (Sealand) | 1028.9 | +16 | - | 0 | $z_0$ | 36 | 92 | 6 | 5 | - | - | Tr | Tr | 4000 | 0 | * |
| Manchester | 1028.9 | +14 | N'E | 1 | $z_0$ | 33 | 97 | 5 | - | - | - | 0 | 0 | - | 1 | * |
| Spurn Head | 1026.8 | +14 | N | 5 | bc | 43 | 75 | 8 | 5 | - | - | 4-6 | 4-6 | 4000 | 0 | 3 |
| Catterick | 1028.5 | +10 | NW | 3 | b | 38 | 75 | 7 | 5 | 4 | - | Tr | Tr | 4000 | 0 | * |
| Tynemouth | 1027.9 | +12 | NW | 3 | c | 39 | 75 | 6 | 8 | - | - | 7-8 | 7-8 | 1500 | 0 | 2 |
| St Abbs Head | 1027.7 | +12 | N | 6 | q | 40 | 55 | 8 | 2 | 6 | 1 | 2-3 | 4-6 | 2500 | 0 | 4 |
| Leuchars | 1028.9 | +12 | NW | 1 | bc | 40 | 55 | 8 | 5 | 5 | - | 4-6 | 4-6 | 4000 | 0 | * |
| Renfrew (Abbots I.) | 1029.0 | +10 | - | 0 | bc | 35 | 92 | 8 | 5 | - | - | 2-3 | 2-3 | 4000 | 1 | * |
| Eskdalemuir | 1029.2 | +8 | N'E | 1 | bc | 35 | 75 | 8 | 5 | - | - | 2-3 | 2-3 | 4000 | 3 | * |
| Point of Ayre | 1029.1 | +8 | E | 1 | b | 43 | 85 | 8 | 2 | - | 1 | Tr | 1 | 2500 | 0 | 2 |
| Tiree | 1029.8 | +8 | ENE | 3 | c | 43 | 85 | 8 | 8 | 3 | - | 7-8 | 7-8 | 1500 | 0 | 2 |
| Stornoway | 1030.3 | +6 | N | 2 | c | 35 | 85 | 8 | 5 | 7 | - | 7-8 | 9 | 4000 | 1 | 1 |
| Dalwhinnie | 1030.2 | +10 | N | 3 | c | 35 | 65 | 8 | 4 | 6 | - | 4-6 | 9+ | 4000 | 0 | * |
| Aberdeen | 1027.8 | +12 | NW'N | 3 | c | 39 | 65 | 8 | 5 | - | - | 9+ | 9+ | 4000 | 0 | 1 |
| Wick | 1027.6 | +10 | NNW | 4 | c | 38 | 65 | 8 | 5 | 1 | - | 9 | 10 | 1500 | 1 | 2 |
| Lerwick | 1025.6 | +18 | NNW | 5 | c | 35 | 92 | 8 | 5 | 2 | - | 7-8 | 10 | 1500 | 1 | * |
| Blacksod Point | 1029.2 | +4 | E | 4 | b | 43 | 85 | 8 | - | - | - | 0 | 0 | - | 0 | 3 |
| Malin Head | 1030.0 | +4 | NE | 2 | bc | 46 | 85 | 8 | 7 | - | 4 | 2-3 | 4-6 | 4000 | 0 | 3 |
| Aldergrove | 1030.3 | +8 | - | 0 | b | 31 | 97 | 7 | - | - | - | 0 | 0 | - | 1 | * |
| Birr Castle | 1029.5 | +4 | NE | 1 | b | 35 | 97 | 8 | - | - | - | 0 | 0 | - | 1 | * |
| Valentia Obsy.† | 1027.4 | +4 | - | 0 | of+ | 46 | 97 | 2 | 5 | - | - | 10 | 10 | <150 | 0 | : |
| Roches Point | 1028.4 | * | E | 1 | bc | 44 | 97 | 8 | 5 | - | - | 4-6 | 4-6 | 2500 | 0 | 1 |

### PAST 24 HOURS.

| Stations | Temperature Max. Day 7h–18h °F. (31) | Temperature Min. Night 18h–7h °F (32) | Min. on Grass °F. (33) | Rainfall Day 7h–18h mm. (34) | Rainfall Night 18h–7h mm. (35) | Sunshine 7th Hrs. (36) |
|---|---|---|---|---|---|---|
| London (Kew) | 61 | 40 | 30 | — | — | 8.2 |
| Croydon | 63 | 39 | 34 | — | — | 7.0 |
| S. Farnborough | 64 | 32 | 21 | — | — | 10.43 |
| Boscombe Down | 62 | 34 | 31 | — | — | 9.1 |
| Calshot (Sthmtn.) | 64 | 40 | 37 | — | — | 10.9 |
| Lympne | 59 | 37 | 29 | — | — | 4.1 |
| Manston | 60 | 35 | 26 | — | — | 5.9 |
| Shoeburyness | 64 | 37 | 29 | — | — | 4.0 |
| Felixstowe | 61 | 37 | 31 | — | — | 4.8 |
| Gorleston | 56 | 40 | 39 | — | — | 6.0 |
| Mildenhall | 59 | 30 | 28 | — | Tr | 7.3 |
| Cranwell | 59 | 36 | 31 | — | — | 4.4 |
| Birmingham | 55 | 37 | 28 | — | — | 1.1 |
| Upper Heyford | 59 | 35 | 30 | — | — | * |
| Ross-on-Wye | 65 | 35 | 23 | — | — | 8.7 |
| Bristol | 62 | 38 | .23 | — | — | 8.8 |
| Portland Bill | 57 | 41 | * | — | — | * |
| Plymouth | 59 | 43 | 29 | — | — | 9.5 |
| The Lizard | 60 | 45 | * | — | — | 8.6 |
| Scilly (St. Mary's) | 54 | 46 | * | — | Tr | 10.5 |
| Guernsey | 59 | 45 | 40 | — | — | 11.6 |
| Pembroke | 56 | 41 | * | — | — | 3.4 |
| Holyhead | 52 | 43 | 38 | 0.1 | — | 7.2 |
| Chester (Sealand) | 52 | 34 | 28 | Tr | — | 6.5 |
| Manchester | 53 | 29 | 23 | — | — | 5.6 |
| Spurn Head | 53 | 41 | * | — | — | 6.1 |
| Catterick | 54 | 34 | 29 | — | — | ~~3.6~~ 4.7 |
| Tynemouth | 56 | 37 | 34 | — | — | 5.4 |
| St Abbs Head | 55 | 40 | * | — | — | * |
| Leuchars | 54 | 49 39 | 25 | Tr | — | 5.1 |
| Renfrew (Abbots I.) | 53 | 33 | 30 | Tr | — | 9.4 |
| Eskdalemuir | 53 | 29 | 23 | — | — | 5.1 |
| Point of Ayre | 53 | 41 | * | — | — | 7.4 |
| Tiree | 51 | 42 | * | — | — | 6.5 |
| Stornoway | 48 | 33 | * | 0.2 | 0.1 | 6.9 |
| Dalwhinnie | 46 | 31 | 23 | Tr | — | 3.5 |
| Aberdeen | 50 | 38 | 35 | 0.2 | — | 7.5 |
| Wick | 47 | 38 | * | 1 | — | * |
| Lerwick | 42 | 33 | * | 0.1 | 0.5 | 3.2 |
| Blacksod Point | 54 | 42 | * | 0.1 | — | * |
| Malin Head | 50 | 43 | * | — | — | 5.6 |
| Aldergrove | 52 | 29 | 25 | — | — | 5.3 |
| Birr Castle | 56 | 34 | * | Tr | — | 0.4 |
| Valentia Obsy.† | 53 | 45 | 43 | — | Tr | 1.4 |
| Roches Point | 54 | 42 | * | — | Tr | * |

### LONDON OBSERVATIONS

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations except for rainfall which is 9h—18h.

| Station | Height above M.S.L. in feet | Weather Morning (24 hrs. ended 9h.) | Weather Afternoon | Weather Night | Temperature Day Max. °F. | Night Min. °F. | Min. on Grass °F. | Rainfall Day mm. | Rainfall Night mm. | Sunshine to Sunset hrs. (Yesterday) | Humidity 15h. G.M.T. % (Yesterday) | Humidity 9h. G.M.T. % (To-day) | Visibility 9h. (To-day) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kew | 18 | ccz0bcy | bcczy | cz0ybcm | 61 | 40 | 30 | — | — | 8.2 | * | * | 6 |
| Croydon | 217 | bcm0z0 | bccy | yz0bm0d | 63 | 39 | 34 | — | — | 7.0 | * | * | 6 |
| Greenwich (Royal Observatory) | 149 | c | bcb | bc | 63 | 40 | 33 | — | — | 6.4 | 43 | 61 | 7 |
| City (Bunhill Row) | — | * | * | * | * | * | * | * | * | 7.1 | * | * | * |
| Westminster (St. James' Park) | 27 | * | * | * | 65 | 42 | 37 | — | — | 6.7 | 45 | 63 | * |
| Regents Pk. (Botanic Gardens)‡ | 168 | * | * | * | 63 | 40 | 35 | — | — | 6.5 | 61 | 70 | * |
| Camden Square | 110 | bcc | b | * | 65 | 40 | 35 | — | — | * | * | 60 | * |
| Kensington | 80 | bccbc | bzbc | * | 64 | 41 | 34 | — | — | 7.3 | 54 (At 18h.) | 62 | * |
| Hampstead Observatory | 450 | bc | bc | bc | 62 | 38 | 32 | — | — | 8.1 | * | 77 | * |

### Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. 8th

| South Kensington Max. | Time. | Min. | Time. |
|---|---|---|---|
| 0.3 | 20h 7th | <0.3 | 12-14h 7th |

| Kew Observatory Max. | Time. | Min. | Time. |
|---|---|---|---|
| 0.2 | 7h 8th | <0.1 | 12h 7th |

### FOREIGN OBSERVATIONS.

| Stations | 18h. G.M.T. 7th April Barom. mb. | Wind Direc. | Wind Force | Weather | Temp. °F. | 7h. G.M.T. 8th April Barom. mb. | Wind Direc. | Wind Force | Weather | Temp. °F. | Past 24 Hours Max. Day °F. | Min. Night °F. | Rainfall Day mm. | Rainfall Night mm. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Paris | 1022.6 | NW | 2 | $z_0$ | 61 | 1024.2 | N | 1 | $z_0$ | 46 | 64 | 43 | — | — |
| Brussels | 1023.0 | NNW | 2 | c | 50 | 1023.8 | NNW | 4 | bc | 45 | 57 | 37 | Tr | — |
| Berlin | | | | | | 1008.2 | WNW | 6 | c | 39 | | 37 | | 2 |
| Zürich | 1021.4 | WSW | 1 | bc | 54 | 1019.8 | N | 3 | c | 46 | 63 | 46 | — | — |
| Rome | 1017.5 | W | 5 | bc | 55 | | | | | | * | * | — | |

### EXPLANATION OF FIGURES, LETTERS, etc.

**COLUMNS 2, 16.**
The barometric tendency is expressed in tenths of a millibar.

**COLUMNS 4, 18.**
The Beaufort Scale of Wind is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers is the speed at about 30 feet above the ground.

| Beaufort No | Statute m/h. | Beaufort No. | Statute m/h. | Beaufort No. | Statute m/h. |
|---|---|---|---|---|---|
| 0 | <1 | 4 | 13–18 | 9 | 47–54 |
| 1 | 1–3 | 5 | 19–24 | 10 | 55–63 |
| 2 | 4–7 | 6 | 25–31 | 11 | 64–75 |
| 3 | 8–12 | 7 | 32–38 | 12 | > 75 |
| | | 8 | 39–46 | | |

**COLUMNS 34, 35.**
Tr. = rain has fallen, but amount less than 0·1 mm.

**COLUMNS 8, 22.—Code for surface visibility.**

| Code | | Objects not visible at |
|---|---|---|
| 0 | Dense fog | 55 yards. |
| 1 | Thick fog | 220 ,, |
| 2 | Fog | 550 ,, |
| 3 | Moderate fog | 1,100 ,, |
| 4 | Mist or haze | 1½ miles. |
| 5 | Poor visibility | 2½ ,, |
| 6 | Moderate ,, | 6¼ ,, |
| 7 | Good ,, | 12½ ,, |
| 8 | Very good ,, | 31 ,, |
| 9 | Excellent ,, | beyond 31m. |

**COLUMN 30.—Code for State of Sea.**

0 Calm. 5 Very rough
1 Smooth. 6 High.
2 Slight. 7 Very high
3 Moderate. 8 Precipitous
4 Rough. 9 Confused.

TERMS OF SUBSCRIPTION. Single Copies, 1d. each: by post 1½d. 2/6 per month; 6/6 per quarter; 25/- per year.

METEOROLOGICAL OFFICE, AIR MINISTRY, ADASTRAL HOUSE, KINGSWAY, LONDON, W.C.2. George C. Simpson, K.C.B., D.Sc., F.R.S. Director.

† 1 hr. observations are from Valentia W/T Station. ‡ Maximum and Minimum Temperatures are for the 24 hours ending 8 h. § Sea disturbance reported from Dungeness.

AIR MINISTRY.

# THE DAILY WEATHER REPORT

## OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Saturday 9th April 1938.
No. 27897.

### OBSERVATIONS at 13h. G.M.T. 8th April

| District | Stations (For heights see p. 4.) | Barom. at M.S.L. mb. (1) | Change in 3 hours. (2) | Wind. Direc. (3) | Wind. Force 0-12 (4) | Weather. (5) | Temp. °F. (6) | Humid. % (7) | Visibility 0-9 (8) | Cloud. Form. Low (9) | Form. Med. (10) | Form. High (11) | Amount. Low 0-10 (12) | Amount. Total 0-10 (13) | Height of Base (feet) (14) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | London (Kew) | 1027.9 | 0 | NNE | 3 | c | 49 | 45 | 7 | 5 | - | - | 7-8 | 7-8 | 2500 |
| | Croydon ... | 1027.8 | 0 | N | 2 | c | 49 | 55 | 6 | 5 | - | - | 7-8 | 7-8 | 4000 |
| | S. Farnborough | 1027.6 | -4 | NNE | 2 | c | 53 | 45 | 7 | 1 | - | - | 7-8 | 7-8 | 4000 |
| | Boscombe Down | 1027.9 | -2 | NE | 3 | bc | 52 | 45 | 8 | 7 | - | - | 4-6 | 4-6 | 2500 |
| | Calshot (Sthmtn.) | 1027.3 | +6 | NE | 3 | z₀ | 57 | 45 | 7 | 1 | - | - | 7-8 | 7-8 | 4000 |
| | Lympne ... | 1028.0 | +2 | N | 4 | c | 47 | 55 | 8 | 4 | - | - | 7-8 | 7-8 | 4000 |
| | Manston ... | 1027.8 | 0 | NE | 3 | b | 47 | 55 | 8 | 7 | - | 1 | 1 | 1 | 4000 |
| 2 | Shoeburyness ... | 1027.7 | -4 | N | 3 | c | 50 | 45 | 8 | 8 | - | - | 9 | 9 | 4000 |
| | Felixstowe ... | 1027.4 | -2 | NW'N | 3 | bc | 49 | 45 | 8 | 4 | - | - | 4-6 | 4-6 | 2500 |
| | Gorleston ... | 1027.0 | 0 | N'N | 5 | c | 48 | 55 | 7 | 8 | - | - | 7-8 | 7-8 | 2500 |
| | Mildenhall ... | 1028.2 | +2 | N'W | 4 | c | 47 | 55 | 8 | 5 | - | - | 9 | 9 | 4000 |
| | Cranwell ... | 1028.8 | 0 | N'W | 4 | c | 46 | 45 | 8 | 8 | - | - | 9+ | 9+ | 4000 |
| 3 | Birmingham ... | 1028.8 | -2 | NNE | 2 | bc | 48 | 55 | 6 | 7 | - | - | 4-6 | 4-6 | 2500 |
| | Upper Heyford | 1028.6 | -2 | NE | 2 | bc | 51 | 55 | 8 | 4 | - | - | 4-6 | 4-6 | 4000 |
| 4 | Ross-on-Wye | 1027.9 | -4 | NE | 3 | bc | 53 | 45 | 7 | 7 | - | - | 4-6 | 4-6 | 4000 |
| 5 | Bristol ... | 1028.2 | -4 | ENE | 2 | bc | 54 | 55 | 7 | 1 | - | - | 4-6 | 4-6 | 4000 |
| | Portland Bill ... | 1027.0 | -4 | SE | 3 | bc | 52 | 75 | 7 | 1 | - | - | 2-3 | 2-3 | 2500 |
| | Plymouth ... | 1026.8 | -2 | E | 3 | b | 55 | 55 | 8 | 1 | - | - | Tr | Tr | 4000 |
| | The Lizard ... | 1026.3 | -2 | E'N | 4 | b | 52 | 75 | 7 | 7 | - | - | Tr | Tr | 4000 |
| | Scilly (St. Mary's) | 1026.1 | -4 | E'S | 5 | b | 54 | 75 | 7 | - | - | - | 0 | 0 | - |
| | Guernsey ... | 1025.8 | -4 | NE'E | 4 | z₀ | 52 | 75 | 6 | - | - | - | 0 | 0 | - |
| 6 | Pembroke ... | 1027.9 | -2 | SE'S | 3 | b | 53 | 65 | 7 | 5 | - | - | Tr | Tr | 4000 |
| 7 | Holyhead ... | 1028.7 | -2 | NNE | 2 | b | 52 | 65 | 8 | 1 | - | - | Tr | Tr | 2500 |
| | Chester (Sealand) | 1029.3 | -4 | E | 1 | z₀ | 52 | 55 | 5 | 5 | - | - | 4-6 | 4-6 | 4000 |
| 8 | Manchester ... | 1029.0 | -6 | NE | 2 | c | 50 | 45 | 7 | 7 | - | - | 7-8 | 7-8 | 4000 |
| 10 | Spurn Head ... | 1028.3 | +6 | N | 5 | q | 44 | 65 | 8 | 5 | - | - | 10 | 10 | 4000 |
| | Catterick ... | 1029.4 | +2 | N'E | 3 | c | 46 | 45 | 7 | 5 | - | - | 9 | 9 | 4000 |
| | Tynemouth ... | 1028.8 | 0 | N | 4 | c | 43 | 55 | 8 | 8 | - | - | 7-8 | 7-8 | 1500 |
| 11 | St. Abbs Head . | 1029.3 | 0 | N | 3 | c | 43 | 55 | 9 | 3 | 8 | 2 | 4-6 | 7-8 | 2500 |
| | Leuchars ... | 1029.7 | +2 | NW | 2 | bc | 48 | 55 | 9 | 7 | - | - | 4-6 | 4-6 | 4000 |
| 12 | Renfrew (Abbots I.) | 1029.7 | -4 | N'W | 1 | bc | 51 | 45 | 9 | 1 | - | - | 4-6 | 4-6 | 4000 |
| | Eskdalemuir ... | 1028.9 | -6 | NNE | 2 | c | 46 | 45 | 7 | 5 | - | - | 7-8 | 7-8 | 4000 |
| | Point of Ayre... | 1029.7 | 0 | E | 2 | b | 49 | 75 | 8 | 2 | - | 1 | Tr | 1 | 4000 |
| 13A | Tiree ... ... | 1030.8 | +2 | NE'N | 2 | b | 47 | 65 | 9 | 1 | 4 | - | Tr | 1 | 4000 |
| 13B | Stornoway ... | 1031.8 | +6 | ENE | 2 | c | 44 | 65 | 8 | 5 | 7 | - | 4-6 | 9 | 4000 |
| 15 | Dalwhinnie ... | 1030.8 | +2 | N | 4 | c | 40 | 55 | 8 | 5 | - | - | 10 | 10 | 4000 |
| | Aberdeen ... | 1029.3 | +4 | N'W | 4 | c | 43 | 55 | 8 | 5 | - | - | 9 | 9 | 4000 |
| | Wick ... | 1029.6 | +8 | N | 5 | c | 40 | 65 | 8 | 5 | 6 | - | 7-8 | 9 | 1500 |
| 16 | Lerwick ... | 1027.6 | +8 | NNW | 5 | c | 36 | 75 | 8 | 5 | 2 | - | 9 | 10 | 1500 |
| 17 | Blacksod Point | 1028.5 | -6 | SE | 3 | b | 54 | 65 | 9 | - | - | - | 0 | 0 | - |
| 18 | Malin Head ... | 1031.4 | +4 | NE'E | 2 | bc | 48 | 75 | 8 | 7 | - | - | 2-3 | 2-3 | 4000 |
| | Aldergrove ... | 1029.7 | -6 | N | 2 | bc | 51 | 45 | 9 | 5 | - | 1 | 4-6 | 4-6 | 4000 |
| 19 | Birr Castle ... | 1028.3 | -8 | SE | 1 | b | 51 | 75 | 8 | - | - | - | 0 | 0 | - |
| 20 | Valentia Obsy. † | 1027.0 | -4 | NW | 2 | bc | 57 | 75 | 8 | 1 | - | - | 2-3 | 2-3 | 4000 |
| | Roches Point | 1028.5 | * | E'S | 3 | b | 51 | 85 | 8 | 1 | - | - | 1 | 1 | 4000 |

### OBSERVATIONS at 18h. G.M.T. 8th April

| District | Stations | Barom. at M.S.L. mb. (15) | Change in 3 hours. (16) | Wind. Direc. (17) | Wind. Force 0-12 (18) | Weather. (19) | Temp. °F. (20) | Humid. % (21) | Visibility 0-9 (22) | Cloud. Form. Low. (23) | Form. Med. (24) | Form. High. (25) | Amount. Low 0-10 (26) | Amount. Total 0-10 (27) | Height of Base (feet) (28) | State of Ground. 0-9 (29) | Sea. 0-9 (30) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | London (Kew) | 1027.0 | +2 | NNE | 4 | bc | 49 | 45 | 7 | 5 | - | - | 2-3 | 2-3 | 4000 | 0 | * |
| | Croydon ... | 1026.7 | +2 | NE'E | 3 | z₀ | 48 | 55 | 6 | 4 | - | - | 4-6 | 4-6 | 5700 | 0 | * |
| | S. Farnborough | 1026.7 | 0 | NNE | 2 | b | 51 | 45 | 7 | 4 | - | - | Tr | Tr | 4000 | 0 | * |
| | Boscombe Down | 1026.5 | -2 | NNE | 3 | b | 50 | 45 | 8 | - | - | - | 0 | 0 | - | 0 | * |
| | Calshot (Sthmtn.) | 1026.5 | 0 | E'S | 3 | z₀ | 50 | 75 | 7 | - | - | - | 0 | 0 | - | 0 | 2 |
| | Lympne ... | 1027.0 | +2 | NE | 3 | c | 43 | 65 | 8 | 5 | - | - | 7-8 | 7-8 | 4000 | 0 | § 2 |
| | Manston ... | 1027.2 | +4 | NE'E | 3 | c | 43 | 75 | 8 | 5 | - | - | 7-8 | 7-8 | 4000 | 0 | * |
| 2 | Shoeburyness ... | 1027.5 | +4 | ENE | 3 | c | 44 | 65 | 8 | 5 | - | - | 9+ | 9+ | 4000 | 0 | * |
| | Felixstowe ... | 1027.3 | +4 | NW'N | 4 | c | 45 | 45 | 8 | 5 | - | - | 7-8 | 7-8 | 4000 | 0 | 2 |
| | Gorleston ... | 1026.8 | -2 | NW'N | 5 | c | 44 | 55 | 7 | 8 | - | - | 9+ | 9+ | 2500 | 0 | 3 |
| | Mildenhall ... | 1028.2 | +2 | NNE | 3 | c | 44 | 55 | 8 | 5 | - | - | 9+ | 9+ | 2500 | 0 | * |
| | Cranwell ... | 1028.5 | +2 | N | 3 | bc | 44 | 55 | 8 | 4 | - | - | 4-6 | 4-6 | 4000 | 0 | * |
| 3 | Birmingham ... | 1027.8 | -2 | NE | 2 | c | 48 | 45 | 6 | - | 3 | - | 0 | 7-8 | - | 0 | * |
| | Upper Heyford | 1027.8 | +2 | NNE | 2 | z₀ | 47 | 55 | 6 | - | - | - | 0 | 0 | - | 0 | * |
| 4 | Ross-on-Wye | 1026.5 | -6 | E'N | 2 | z₀ | 50 | 55 | 5 | - | - | - | 0 | 0 | - | 0 | * |
| 5 | Bristol ... | 1027.9 | 0 | ENE | 2 | b | 51 | 55 | 7 | 4 | - | - | 1 | 1 | 4000 | 0 | * |
| | Portland Bill ... | 1026.2 | -6 | SE | 2 | b | 47 | 85 | 7 | - | - | - | 0 | 0 | - | 0 | 2 |
| | Plymouth ... | 1025.8 | -2 | SE'E | 2 | b | 52 | 65 | 8 | - | - | - | 0 | 0 | - | 0 | 1 |
| | The Lizard ... | 1025.3 | 0 | E'N | 4 | b | 49 | 85 | 7 | - | - | - | 0 | 0 | - | 0 | 1 |
| | Scilly (St. Mary's) | 1025.2 | -6 | E | 4 | b | 50 | 85 | 7 | + | 4 | - | 0 | Tr | - | 0 | 3 |
| | Guernsey ... | 1025.6 | -2 | ENE | 3 | b | 49 | 75 | 8 | - | - | - | 0 | 0 | - | 0 | 3 |
| 6 | Pembroke ... | 1026.5 | -8 | N | 3 | b | 51 | 75 | 7 | - | - | - | 0 | 0 | - | 0 | 1 |
| 7 | Holyhead ... | 1028.0 | -6 | NE | 3 | b | 47 | 65 | 9 | - | - | - | 0 | 0 | - | 0 | 2 |
| | Chester (Sealand) | 1028.2 | -2 | NW'N | 2 | z₀ | 47 | 65 | 6 | - | - | - | 0 | 0 | - | 0 | * |
| 8 | Manchester ... | 1028.0 | -6 | NE'N | 2 | z₀ | 49 | 55 | 6 | 5 | - | - | 4-6 | 4-6 | 4000 | 1 | * |
| 10 | Spurn Head ... | 1028.3 | 0 | N | 5 | c | 43 | 75 | 8 | 4 | - | - | 9+ | 9+ | 4000 | 0 | 3 |
| | Catterick ... | 1029.1 | -2 | NE'E | 3 | bc | 43 | 55 | 7 | 5 | - | - | 4-6 | 4-6 | 4000 | 0 | * |
| | Tynemouth ... | 1028.8 | 0 | N | 4 | bc | 43 | 65 | 8 | 2 | 4 | - | 2-3 | 2-3 | 1500 | 0 | 2 |
| 11 | St. Abbs Head . | 1029.4 | 0 | N | 2 | c | 41 | 65 | 8 | 4 | 7 | - | 4-6 | 7-8 | 2500 | 0 | 3 |
| | Leuchars ... | 1029.7 | +2 | SSE | 3 | c | 45 | 65 | 8 | 7 | - | - | 9 | 9 | 5700 | 0 | * |
| 12 | Renfrew (Abbots I.) | 1029.0 | +2 | NE | 2 | bc | 49 | 45 | 8 | 7 8 | 4- | - | 4-6 | 4-6 | 5700 | 0 | * |
| | Eskdalemuir ... | 1028.5 | -2 | NE'E | 3 | bc | 45 | 55 | 6 | 5 | - | - | 4-6 | 4-6 | 4000 | 1 | * |
| | Point of Ayre... | 1029.1 | -2 | NE'N | 1 | bc | 47 | 75 | 8 | - | 4 | - | 0 | 2-3 | - | 0 | 1 |
| 13A | Tiree ... ... | 1030.1 | -4 | NE'N | 4 | b | 45 | 65 | 9 | 1 | 4 | - | Tr | Tr | 4000 | 0 | 3 |
| 13B | Stornoway ... | 1031.7 | 0 | E | 2 | bc | 42 | 65 | 8 | 5 | 5 | - | 4-6 | 4-6 | 4000 | 1 | 1 |
| 15 | Dalwhinnie ... | * | 0 | NE | 4 | jp | 38 | 65 | 8 | 5 | 6 | - | 4-6 | 4-6 | 2500 | 0 | * |
| | Aberdeen ... | 1029.7 | +2 | N | 3 | c | 41 | 65 | 8 | 5 | 3 | - | 9 | 9 | 2500 | 0 | 2 |
| | Wick ... | 1030.5 | +4 | N | 5 | c | 39 | 65 | 8 | 8 | 7 | - | 4-6 | 7-8 | 1500 | 1 | 2 |
| 16 | Lerwick ... | 1029.2 | +8 | NNW | 5 | c | 35 | 75 | 8 | 5 | 7 | - | 7-8 | 9 | 1500 | 1 | * |
| 17 | Blacksod Point | 1027.0 | -8 | - | 0 | b | 55 | 65 | 9 | - | - | - | 0 | 0 | - | 0 | 1 |
| 18 | Malin Head ... | 1030.1 | -6 | NE'E | 2 | b | 46 | 92 | 8 | - | - | - | 0 | 0 | - | 0 | 2 |
| | Aldergrove ... | 1028.9 | -2 | NE'E | 3 | bc | 49 | 55 | 9 | 5 | - | - | 2-3 | 2-3 | 4000 | 1 | * |
| 19 | Birr Castle ... | 1026.7 | -8 | E | 1 | b | 56 | 55 | 8 | - | - | - | 0 | 0 | - | 1 | * |
| 20 | Valentia Obsy. † | 1025.4 | -6 | W | 2 | b | 54 | 75 | 8 | - | - | - | 0 | 0 | - | 0 | 1 |
| | Roches Point | 1026.9 | * | E | 3 | b | 49 | 85 | 8 | - | - | - | 0 | 0 | - | 0 | 2 |

### PAST 24 HOURS.

| District | Stations | Weather. 7h.—18h. 8th (37) | Weather. 13h.—18h. 8th (38) | Weather. 18h. 8th to 1h. 9th. (39) | Weather. 1h.—7h. 9th. (40) |
|---|---|---|---|---|---|
| 1 | London (Kew) | bcz₀cy | cbbcy | bcybz₀ | bm₀xcm₀ |
| | Croydon ... | cz₀y | cbcz₀y | bcbz₀b | bbwm₀xc |
| | S. Farnborough | bm₀bbcy | bcby | bybm₀x | bm₀x |
| | Boscombe Down | bm₀bbcy | bcybc | byb | b |
| | Calshot (Sthmtn.) | bbz₀y | b | bbwbm₀ | bm₀ |
| | Lympne ... | bm₀cy | bcy | mcbccbc | bcc |
| | Manston ... | bcy | bcyby | bccy | cd₀ |
| 2 | Shoeburyness ... | bccy | bccv | cvc | c |
| | Felixstowe ... | bbcvy | bcvyc | bcyc | c |
| | Gorleston ... | cbccq | cpqy | cpcq | cq |
| | Mildenhall ... | bm₀cvy | cyvc | cybccpcqcw | cw |
| | Cranwell ... | bbcycy | cybcy | bcyb | c |
| 3 | Birmingham ... | bc | bc | bcb | b |
| | Upper Heyford | bbcy | bcy | bz₀ | bm₀ |
| 4 | Ross-on-Wye | bcbbcy | bcybyz | bz | bz |
| 5 | Bristol ... | bm₀bc | bcby | bm₀ | bbcbx |
| | Portland Bill ... | bc | bcb | bcc | cbc |
| | Plymouth ... | bby | byb | bc | bmw,cbc |
| | The Lizard ... | bcb | b | bcbm₀ | bbcc |
| | Scilly (St. Mary's) | b | b | bbc | bcbbc |
| | Guernsey ... | bcbz | b | b | bbc |
| 6 | Pembroke ... | b | bcz₀b | b | bqc |
| 7 | Holyhead ... | bbcb | b | bwm₀ | bwm₀c |
| | Chester (Sealand) | bm₀bcz₀y | bcz₀yb | bz₀w | bwm₀ |
| 8 | Manchester ... | bcy | bcyz₀y | bcb,cz₀ | cz₀bxm |
| 10 | Spurn Head ... | cq | c | cpnc | c |
| | Catterick ... | bbccy | cybcy | bcm₀bm | c |
| | Tynemouth ... | c | cbc | bcc | c |
| 11 | St. Abbs Head . | cy | c | cbc | bcc |
| | Leuchars ... | bccbcy | bczyc | cbx | bbcx |
| 12 | Renfrew (Abbots I.) | bm₀bcy | bcwy | bcybm₀ | bcbm₀xw |
| | Eskdalemuir ... | bccy | cybcy | bcyb | |
| | Point of Ayre... | b | b | bcb | bbc |
| 13A | Tiree ... ... | cb | b | b | b |
| 13B | Stornoway ... | c | cbc | bcb | b |
| 15 | Dalwhinnie ... | c | c | * | bcb |
| | Aberdeen ... | ccy | cyc | cbc | bcc |
| | Wick ... | c | c | cbc | bcc |
| 16 | Lerwick ... | cpsh | c | bc | c |
| 17 | Blacksod Point | b | b | b | b |
| 18 | Malin Head ... | bc | b | bc | bcz₀z₀ |
| | Aldergrove ... | bxbcy | bcyby | bybx | bxbm₀ |
| 19 | Birr Castle ... | b | b | bbc | bcb |
| 20 | Valentia Obsy. † | FFbbc | bcb | b | byb |
| | Roches Point | bcb | b | bw | bcw |

## EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

### COLUMNS 5, 19, 37, 38, 39, 40—BEAUFORT NOTATION AND SYMBOLS FOR WEATHER.

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog „ less than 220 yds.
fs, low fog over sea (coast station).
fg, low fog over land (inland station).
m, mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jf, fog at a distance, but not at station.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/s₀, slight storm of drifting snow (generally low).
k/S, heavy storm of drifting snow (generally low).
s₀/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze: the turbid atmosphere of dry weather.
h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus R, heavy rain. r₀, slight rain. rr, continuous rain.
<, less than (for cloud height).
⊕, Solar halo. ◑ lunar halo. ⁄ gale.
With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions thus:—bc/r, fair weather after rain; —, has decreased; +, has increased.

### COLUMNS 9, 23.—FORM OF LOW CLOUD.

0 No low clouds.
1 Fair weather Cu.
2 Large Cu without anvil.
3 Cb.
4 Sc formed by the spreading out of Cu.
5 Layer of St or Sc.
6 Ragged low clouds of bad weather (or fractonimbus).
7 Fair weather Cu. and Sc.
8 Large-Cu (or Cb) and Sc.
9 Large-Cu (or Cb) and ragged low clouds of bad weather.

### COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4–6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries.
"tr" signifies a small amount of cloud (trace) covering less than 1/20 of the sky.
"9+" signifies an overcast sky with a few small openings.

### COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

0 No medium clouds.
1 Typical As (thin).
2 Typical As (thick) (sun or moon invisible), or Nimbostratus (Ns).
3 Single layer of Ac or high Sc.
4 Ac in isolated patches. Individually decreasing (often lenticular).
5 Ac in bands (increasing).
6 Ac formed from the spreading out of Cu.
7 Ac associated with As or As with parts resembling Ac.
8 Ac Castellatus (or Ac in ragged fragments).
9 Ac in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

### COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

0 No cirriform cloud.
1 Fine Ci not increasing: sparse.
2 Fine Ci not increasing: abundant but not a continuous layer.
3 Anvil Ci (usually dense).
4 Fine Ci increasing: usually in tufts.
5 Ci or Cs increasing: still below 45° altitude: often in polar bands.
6 Ci or Cs increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Cs covering whole sky.
8 Cs not increasing and not covering whole sky.
9 Cc predominating, and a little cirrus.
(Cc may occur with any of the types 1 to 8).

Cloud form abbreviations:—
Cirrus,–Ci: Cirrocumulus,–Cc: Cirrostratus,–Cs: Altocumulus,–Ac: Altostratus,–As
Stratocumulus,–Sc: Stratus,–St: Nimbostratus,–Ns: Cumulus,–Cu: Cumulonimbus,–Cb

### COLUMN 29.—STATE OF GROUND.

0 .. Ground dry.
1 .. „ wet.
2 .. „ flooded.
3 .. „ frozen hard and dry.
4 .. „ partly covered with snow or hail.
5 .. „ covered with ice or glazed frost.
6 .. Ground covered with thawing snow.
7 .. „ covered with snow, less than 6 ins., deep but ground not frozen.
8 .. „ covered with snow, less than 6 ins., but ground frozen.
9 .. „ covered with snow greater than 6 ins. deep.

NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

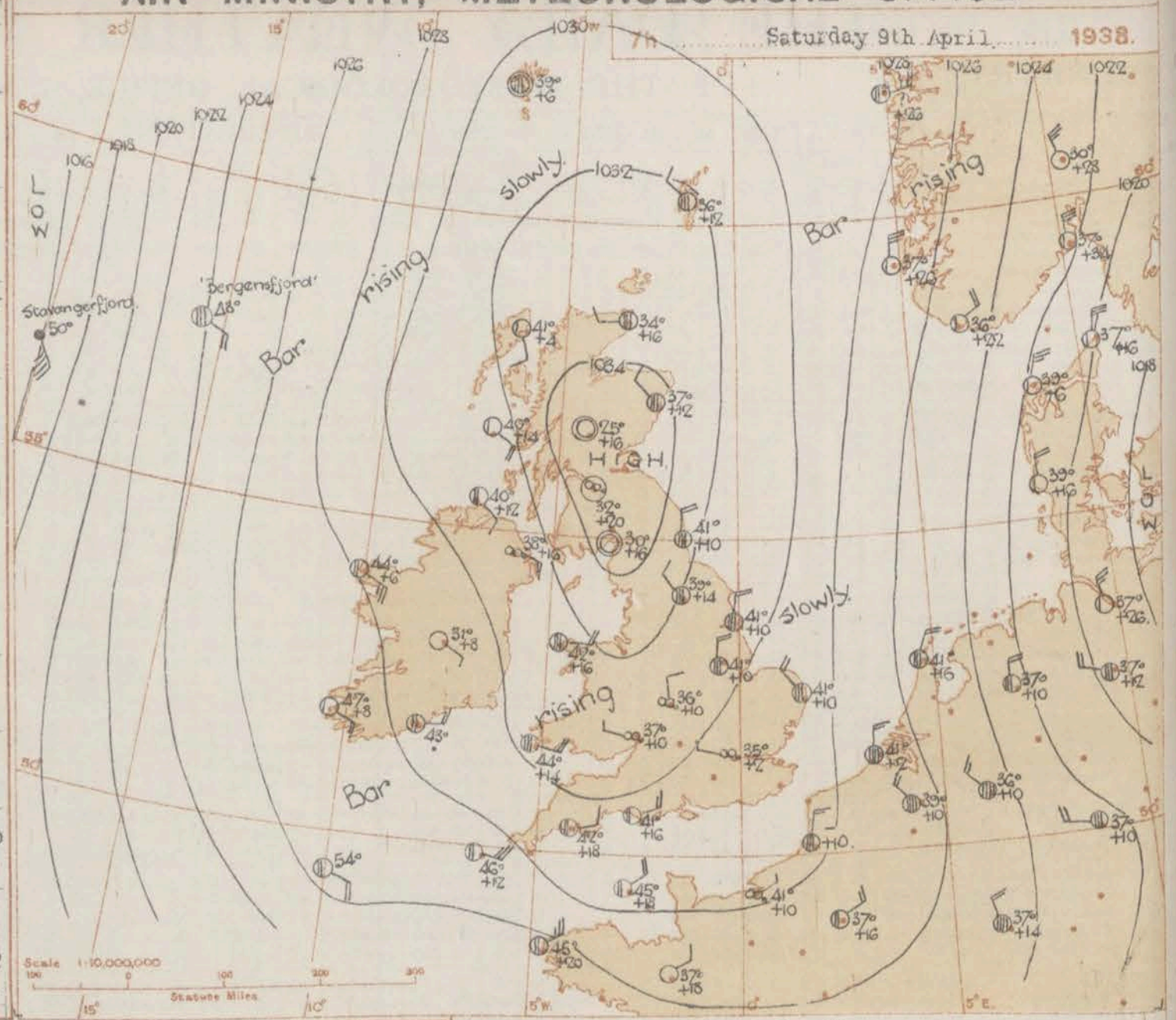
† See disturbance reported from Dungeness.

# AIR MINISTRY, METEOROLOGICAL OFFICE

## REPORTS from HEALTH RESORTS for 8th April 1938.

| Districts | Stations. | Weather. Forenoon. | Weather. Afternoon. | Temperature (°F.) Min. 9h. 7th to 9h. 8th | Temperature (°F.) Max. 9h.—17h. 8th | Rainfall (mm.) Night. 17h. 7th to 9h. 8th | Rainfall (mm.) Day. 9h.—17h. 8th | Sunshine (Hrs.) Sunrise to 17h. 8th | Sunshine (Hrs.) Sunrise to Sunset. 7th |
|---|---|---|---|---|---|---|---|---|---|
| 1 | Tunbridge W. | bc | bcb | 38 | 53 | - | - | 7.8 | 7.4 |
| | Bournemouth | b | b | 37 | 59 | - | - | 10.4 | 9.7 |
| | Ventnor ... | bz | b | 40 | 58 | - | - | 10.7 | 10.1 |
| | Southsea ... | b | bcb | 40 | 57 | - | - | 8.7 | 9.9 |
| | Bognor Regis | b | bcb | 40 | 55 | - | - | 10.4 | 10.2 |
| | Littlehampton | bcb | bbc | 38 | 51 | - | - | 10.3 | 10.2 |
| | Worthing ... | b | b | 39 | 55 | - | - | 10.1 | 9.9 |
| | Brighton ... | b | b | 41 | 55 | - | - | 9.3 | 9.1 |
| | Eastbourne† ... | bbcy | bcyb | 40 | 53 | - | - | 9.0 | 9.8 |
| | Hastings† ... | bbc | bc | 39 | 53 | - | - | 7.4 | 6.7 |
| | Folkestone ... | bbc | bcb | 39 | 51 | - | - | 9.9 | 3.8 |
| | Dover ... | ybc | bcby | 39 | 51 | - | - | 9.8 | 4.5 |
| | Deal ... ... | bcb | b | 39 | 52 | - | - | 10.2 | 4.4 |
| | Ramsgate ... | bc | bc | 44 | 48 | - | - | 10.8 | 6.1 |
| | Margate ... | bcb | bbc | 43 | 47 | - | - | 11.0 | 6.5 |
| 2 | Southend ... | bcc | cbcc | 40 | 52 | - | - | 6.6 | 3.6 |
| | Clacton-on-Sea | bc | bcc | 38 | 50 | - | - | 7.6 | 6.0 |
| | Dovercourt ... | bcv | bcv | 42 | 52 | - | - | 9.4 | 6.0 |
| | Lowestoft ... | bccbc | cbcc | 38 | 49 | - | - | 4.1 | 7.5 |
| | Skegness ... | c | c | 41 | 46 | - | - | 1.4 | 4.8 |
| | Mablethorpe... | oc | c | 42 | 47 | - | - | 1.4 | 7.5 |
| | Cleethorpes ... | cbc | c | 40 | 46 | - | - | 0.9 | 6.7 |
| 3 | Leamington S. | bc | bc | 35 | 54 | - | - | 8.0 | 2.1 |
| 4 | Cheltenham† | by | by | 38 | 56 | - | - | 9.7 | 7.1 |
| 5 | Bath ... ... | b | b | 35 | 56 | - | - | 10.8 | 8.9 |
| | Weymouth ... | b | b | 41 | 56 | - | - | 10.8 | 10.6 |
| | Jersey ... | b | b | 45 | 57 | - | - | 10.1 | 8.4 |
| | Torquay ... | b | bz | 40 | 53 | - | - | 11.2 | 9.1 |
| | Falmouth | b | b | 42 | 54 | - | - | 10.7 | 8.6 |
| | Penzance ... | b | bz | 42 | 56 | - | - | 10.5 | 9.0 |
| | St. Ives ... | b | b | 48 | 60 | - | - | 10.4 | 7.6 |
| | Bude... ... | b | b | 33 | 60 | - | - | 10.3 | 6.4 |
| | Ilfracombe ... | bcb | b | 38 | 53 | - | - | 10.6 | 4.3 |
| 6 | Aberystwyth | wbc | bbc | 36 | 52 | - | - | 10.9 | 3.8 |
| 7 | Llandudno ... | b | b | 43 | 51 | - | - | 10.6 | 7.8 |
| | Colwyn Bay... | bcb | b | 43 | 50 | - | - | 10.5 | 5.9 |
| | Rhyl ... ... | bbc | bcb | 40 | 52 | - | - | 10.5 | 5.2 |
| 8 | Wallasey ... | bczb | b | 38 | 50 | - | - | 10.4 | 5.9 |
| | Southport ... | b | b | 34 | 55 | - | - | 10.7 | 8.9 |
| | Blackpool ... | b | bcb | 34 | 52 | - | - | 9.4 | 8.2 |
| | Morecambe ... | b | cbbc | 35 | 51 | - | - | 8.0 | 8.1 |
| 9 | Ilkley... ... | bc | bc | 35 | 50 | - | - | 6.4 | 6.6 |
| | Harrogate ... | bc | bcb | 34 | 48 | - | - | 8.4 | 6.5 |
| 10 | Berwick-on-T. | c | bc | 40 | 46 | - | - | 5.2 | 5.2 |
| 11 | Dunbar ... | bc | bc | 40 | 47 | - | - | 5.2 | 8.8 |
| 12 | Troon... ... | bbcb | bbccb | 35 | 50 | - | - | 7.5 | 8.7 |
| | Douglas ... | bcw | bc | 39 | 49 | - | - | 9.3 | 9.4 |

† Max. Temp. for period 21h. yesterday to 17h. to-day; Min. Temp. 21h.-9h.




BAROMETER. Isobars are drawn for intervals of two millibars.
WIND, WEATHER SYMBOLS. For explanation see opposite page.
SEA DISTURBANCE. Rough High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

| Districts. | FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 9th April, 1938 |
|---|---|
| 1 S.E. England<br>2 E. England ...<br>3 E. Midlands ... | Wind northeast, moderate; cloudy; rather cold, ground frost locally inland at night. |
| 4 W. Midlands ...<br>5 S.W. England<br>6 South Wales ...<br>7 North Wales ...<br>8 N.W. England<br>9 N. Midlands ... | Wind east, moderate; fine; average day temperature, frost at night. |
| 10 N.E. England | As 1 - 3. |
| 11 S.E. Scotland<br>12 S.W. Scotland & Isle of Man.<br>13 A. W. Scotld. / B.N.W. Scotland.<br>14 Mid Scotland<br>15 N. E. Scotland<br>16 Orkney and Shetland | Wind southeast; fine; average day temperature, frost at night. |
| 17 N. W. Ireland<br>18 N. E. Ireland<br>19 S. E. Ireland<br>20 S. W. Ireland | As 4 - 9. |

### GENERAL INFERENCE

An anticyclone over Scotland is moving eastwards. Weather will be fine over most of the country, but cloudy on and near the East Coast of England. There will be severe ground frosts at night.

### FURTHER OUTLOOK.

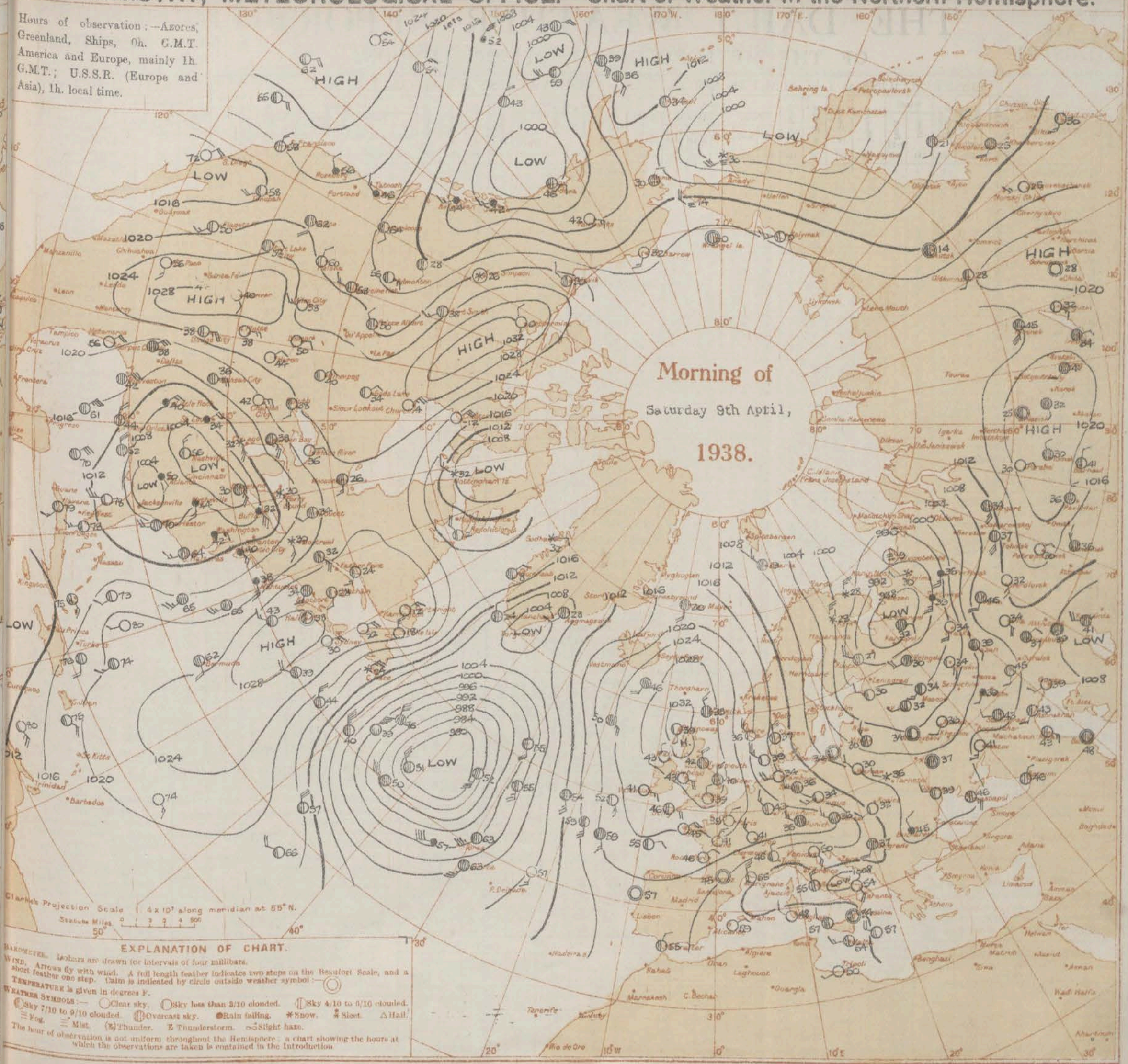
Fair.

Forecasts issued at 1030 G.M.T.

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S.,
Director.

H.M. Stationery Office Press, Kingsway, W.C.2

# AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.



AIR MINISTRY.

# THE DAILY WEATHER REPORT

## OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Saturday 9th April 1938
No. 27897.

### OBSERVATIONS at 1 hr. G.M.T. 9th April

| District | Stations | Height above M.S.L. in feet | Barom. at M.S.L. mb. (1) | Change in 3 hours (2) | Wind Direc. (3) | Wind Force 0–12 (4) | Weather (5) | Temp. °F. (6) | Humid. % (7) | Visibility 0–9 (8) | Cloud Form Low (9) | Cloud Form Med. (10) | Cloud Form High (11) | Cloud Amount Low 0–10 (12) | Cloud Amount Total 0–10 (13) | Height of Base (feet) (14) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | London (Kew) | 18 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Croydon ... | 217 | 1029.0 | 0 | N'E | 2 | b | 39 | 75 | 7 | – | – | – | 0 | 0 | – |
| | S. Farnborough | 229 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Boscombe Down | 417 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Calshot (Sthmtn.) | 8 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Lympne ... | 346 | 1028.5 | +2 | N | 3 | bc | 36 | 75 | 8 | 5 | 4 | – | 4-6 | 4-6 | 4000 |
| | Manston ... | 142 | 1028.2 | 0 | N'E | 3 | c | 41 | 65 | 8 | 5 | – | – | 10 | 10 | 4000 |
| 2 | Shoeburyness ... | 11 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Felixstowe ... | 15 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Gorleston ... | 5 | 1027.7 | 0 | N'W | 4 | c | 41 | 75 | 7 | 6 | – | – | 10 | 10 | 2500 |
| | Mildenhall ... | 19 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Cranwell ... | 240 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 3 | Birmingham ... | 535 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Upper Heyford | 408 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 4 | Ross-on-Wye | 223 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 5 | Bristol ... | 209 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Portland Bill ... | 32 | 1027.8 | +8 | ESE | 5 | c | 45 | 85 | 8 | 4 | – | – | 7-8 | 7-8 | 2500 |
| | Plymouth ... | 82 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | The Lizard ... | 240 | 1026.6 | +2 | E | 4 | b | 46 | 85 | 7 | – | – | – | 0 | 0 | – |
| | Scilly (St. Mary's) | 163 | 1026.2 | +2 | ESE | 4 | bc | 46 | 85 | 7 | – | – | 4 | 0 | 2-3 | – |
| | Guernsey .. | 175 | 1027.0 | +6 | ENE | 3 | b | 45 | 73 | 8 | – | – | – | 0 | 0 | – |
| 6 | Pembroke ... | 142 | 1027.9 | +6 | E | 3 | b | 43 | 92 | 8 | – | – | – | 0 | 0 | – |
| 7 | Holyhead ... | 26 | 1028.4 | 0 | E'S | 4 | b | 43 | 92 | 6 | – | – | – | 0 | 0 | – |
| | Chester (Sealand) | 16 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 8 | Manchester ... | 70 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 10 | Spurn Head ... | 29 | 1029.3 | +2 | N | 3 | c | 40 | 92 | 8 | 5 | – | – | 10 | 10 | 1500 |
| | Catterick ... | 175 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Tynemouth ... | 108 | 1030.7 | +4 | N | 4 | c | 42 | 55 | 8 | 8 | – | – | 9+ | 9+ | 1500 |
| 11 | St. Abbs Head .. | 280 | 1030.9 | +4 | N | 2 | bc | 39 | 65 | 8 | 6 | 6 | 1 | 2-3 | 4-6 | 2500 |
| | Leuchars ... | 36 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 12 | Renfrew (Abbots I.) | 19 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Eskdalemuir ... | 794 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Point of Ayre ... | 30 | 1030.1 | +8 | SSE | 3 | b | 43 | 85 | 7 | – | – | – | 0 | 0 | – |
| 13A | Tiree ... ... | 22 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 13B | Stornoway ... | 80 | 1032.3 | +4 | SSE | 2 | b | 39 | 75 | 8 | 1 | – | – | 1 | 1 | 4000 |
| 15 | Dalwhinnie ... | 1176 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Aberdeen ... | 79 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Wick ... | 81 | 1031.8 | +2 | WNW | 3 | bc | 32 | 85 | 8 | 8 | 7 | – | 4-6 | 4-6 | 1500 |
| 16 | Lerwick ... | 156 | 1031.0 | +6 | NNW | 3 | c | 35 | 85 | 8 | 5 | 2 | – | 7-8 | 10 | 1500 |
| 17 | Blacksod Point | 18 | 1027.5 | +2 | ESE | 4 | b | 47 | 73 | 8 | – | – | 4 | 0 | Tr | – |
| 18 | Malin Head ... | 84 | 1029.5 | 0 | N | 1 | b | 43 | 85 | 8 | – | – | – | 0 | 0 | – |
| | Aldergrove ... | 268 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 19 | Birr Castle ... | 173 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 20 | Valentia Obsy. † | 30 | 1026.4 | +2 | E | 3 | b | 41 | 97 | 8 | – | – | – | 0 | 0 | – |
| | Roches Point | 22 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |

### OBSERVATIONS at 7 hr. G.M.T. 9th April

| Stations | Barom. at M.S.L. mb. (15) | Change in 3 hours (16) | Wind Direc. (17) | Wind Force 0–12 (18) | Weather (19) | Temp. °F. (20) | Humid. % (21) | Visibility 0–9 (22) | Cloud Form Low (23) | Cloud Form Med. (24) | Cloud Form High (25) | Cloud Amount Low 0–10 (26) | Cloud Amount Total 0–10 (27) | Height of Base (feet) (28) | State of Ground 0–9 (29) | Sea 0–9 (30) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| London (Kew) | 1030.8 | +10 | N'W | 2 | $z_o$ | 37 | 75 | 6 | 5 | – | – | 9+ | 9+ | 4000 | 0 | * |
| Croydon ... | 1029.7 | +2 | W'N | 1 | $z_o$ | 35 | 92 | 6 | 5 | – | – | 9 | 9 | 5700 | 0 | * |
| S. Farnborough | 1030.9 | +14 | N | 1 | b | 29 | 97 | 6 | 5 | – | – | Tr | Tr | 4000 | 0 | * |
| Boscombe Down | 1031.2 | +10 | NE'N | 2 | b | 32 | 92 | 7 | – | – | – | 0 | 0 | – | 0 | * |
| Calshot (Sthmtn.) | 1030.6 | +12 | N | 3 | $z_o$ | 37 | 85 | 6 | – | – | – | 0 | 0 | – | 0 | 2 |
| Lympne ... | 1029.7 | +10 | N'E | 3 | c | 40 | 75 | 8 | 5 | – | – | 9+ | 9+ | 5700 | 0 | 1 |
| Manston ... | 1029.5 | +12 | N'E | 4 | c/d | 41 | 75 | 8 | 5 | 7 | – | 7-8 | 10 | 2500 | 0 | * |
| Shoeburyness ... | 1029.3 | +14 | N | 3 | c | 40 | 75 | 7 | 5 | – | – | 10 | 10 | 2500 | 0 | * |
| Felixstowe ... | 1029.4 | +10 | NW | 2 | c | 40 | 75 | 8 | 5 | – | – | 10 | 10 | 4000 | 0 | 2 |
| Gorleston ... | 1029.0 | +10 | NW'N | 4 | c | 41 | 75 | 7 | 8 | – | – | 10 | 10 | 2500 | 0 | 3 |
| Mildenhall ... | 1030.3 | +14 | NNW | 3 | c | 38 | 85 | 7 | 5 | – | – | 10 | 10 | 4000 | 0 | * |
| Cranwell ... | 1031.6 | +14 | NW'W | 3 | $z_o$ | 36 | 85 | 6 | 5 | – | – | 10 | 10 | 4000 | 0 | * |
| Birmingham ... | 1031.3 | +10 | N | 2 | $z_o$ | 36 | 65 | 5 | – | – | – | 0 | 0 | – | 0 | * |
| Upper Heyford | 1031.3 | +16 | NNW | 3 | $z_o$ | 32 | 85 | 6 | – | – | – | 0 | 0 | – | 0 | * |
| Ross-on-Wye | 1031.6 | +10 | W'N | 1 | $z_o$ | 37 | 75 | 6 | – | – | – | 0 | 0 | – | 0 | * |
| Bristol ... | 1031.4 | +14 | E | 2 | $z_o$ | 35 | 85 | 6 | – | – | – | 0 | 0 | – | 0 | * |
| Portland Bill ... | 1029.7 | +16 | ENE | 3 | bc | 41 | 75 | 7 | 4 | – | – | 4-6 | 4-6 | 2500 | 0 | 3 |
| Plymouth ... | 1029.7 | +18 | E'N | 2 | bc | 42 | 92 | 8 | 5 | – | – | 4-6 | 4-6 | 2500 | 0 | 0 |
| The Lizard ... | 1028.7 | +20 | E'S | 5 | c | 47 | 75 | 8 | 8 | 6 | – | 7-8 | 9+ | 2500 | 0 | 3 |
| Scilly (St. Mary's) | 1027.8 | +12 | ESE | 5 | bc | 46 | 75 | 7 | 7 | – | – | 2-3 | 2-3 | 4000 | 0 | 3 |
| Guernsey .. | 1028.8 | +18 | NE | 4 | bc | 45 | 65 | 7 | 1 | – | – | 4-6 | 4-6 | 2500 | 0 | 3 |
| Pembroke ... | 1030.4 | +14 | ESE | 4 | c | 44 | 85 | 7 | 5 | 2 | – | 4-6 | 9+ | 2500 | 0 | 2 |
| Holyhead ... | 1030.7 | +16 | E | 4 | c | 42 | 75 | 8 | 7 | – | – | 9 | 9 | 4000 | 0 | 2 |
| Chester (Sealand) | 1033.0 | +20 | E | 1 | $z_o$ | 32 | 92 | 5 | – | – | – | 0 | 0 | – | 0 | * |
| Manchester ... | 1032.7 | +20 | N'E | 1 | m | 31 | 92 | 4 | 5 | – | – | Tr | Tr | 2500 | 1 | * |
| Spurn Head ... | 1031.0 | +10 | NNE | 4 | c | 41 | 75 | 8 | 5 | – | – | 10 | 10 | 2500 | 0 | 2 |
| Catterick ... | 1032.3 | +14 | NW'N | 2 | c | 39 | 65 | 7 | 5 | – | – | 9+ | 9+ | 2500 | 0 | * |
| Tynemouth ... | 1032.1 | +10 | N | 4 | c | 41 | 65 | 8 | 8 | – | – | 9 | 9 | 1500 | 0 | 2 |
| St. Abbs Head .. | 1032.5 | +16 | N | 2 | c/pr | 39 | 65 | 8 | 3 | 8 | – | 7-8 | 10 | 1500 | 0 | 3 |
| Leuchars ... | 1034.1 | +18 | NW | 2 | c | 35 | 75 | 8 | 5 | – | – | 7-8 | 7-8 | 7200 | 0 | * |
| Renfrew (Abbots I.) | 1034.2 | +20 | – | 0 | $z_o$ | 32 | 85 | 6 | 5 | – | – | Tr | Tr | 5700 | 0 | * |
| Eskdalemuir ... | 1034.1 | +16 | – | 0 | b | 30 | 85 | 7 | 7 | – | 1 | 1 | 1 | 4000 | 3 | * |
| Point of Ayre ... | 1032.6 | +12 | SSE | 3 | bc | 42 | 75 | 7 | – | 3 | – | 0 | 4-6 | – | 0 | 2 |
| Tiree ... ... | 1031.3 | +14 | SE'E | 4 | b | 40 | 75 | 7 | – | – | 5 | 0 | Tr | – | 0 | 3 |
| Stornoway ... | 1033.1 | +4 | SSE | 2 | b | 41 | 65 | 9 | 5 | – | – | 1 | 1 | 4000 | 1 | 1 |
| Dalwhinnie ... | * | +16 | – | 0 | b | 29 | 92 | 8 | 4 | – | – | Tr | Tr | 4000 | 5 | * |
| Aberdeen ... | 1033.5 | +12 | NW'N | 2 | c | 37 | 75 | 8 | 5 | – | – | 7-8 | 7-8 | 5700 | 0 | 1 |
| Wick ... | 1033.6 | +16 | W | 2 | c | 34 | 85 | 8 | 5 | 7 | – | 4-6 | 7-8 | 1500 | 1 | 1 |
| Lerwick ... | 1032.7 | +12 | NW | 2 | c | 36 | 92 | 8 | 5 | 7 | – | 7-8 | 9+ | 1500 | 1 | * |
| Blacksod Point | 1026.0 | +6 | ESE | 5 | bc | 44 | 85 | 8 | – | – | 1 | 0 | 2-3 | – | 0 | 3 |
| Malin Head ... | 1031.5 | +12 | SE'E | 2 | bc | 40 | 92 | 6 | 3 | – | – | 2-3 | 2-3 | 2500 | 0 | 1 |
| Aldergrove ... | 1031.6 | +16 | E'S | 3 | $z_o$ | 38 | 92 | 5 | – | – | – | 0 | 0 | – | 0 | * |
| Birr Castle ... | 1028.8 | +8 | E'S | 1 | b | 31 | 97 | 7 | – | – | – | 0 | 0 | – | 0 | * |
| Valentia Obsy. † | 1026.9 | +8 | ESE | 3 | b | 47 | 65 | 8 | – | – | 1 | 0 | Tr | – | 0 | 1 |
| Roches Point | 1028.6 | * | E | 3 | bc | 43 | 97 | 8 | 5 | – | – | 2-3 | 2-3 | 2500 | 0 | 1 |

### PAST 24 HOURS.

| Stations | Temperature Max. Day 7h–18h °F. (31) | Temperature Min. Night 18h–7h °F. (32) | Temperature Min. on Grass °F. (33) | Rainfall Day 7h–18h mm. (34) | Rainfall Night 18h–7h mm. (35) | Sunshine 9th Hrs. (36) |
|---|---|---|---|---|---|---|
| London (Kew) | 51 | 35 | 25 | – | – | 9.1 |
| Croydon ... | 52 | 32 | 26 | – | – | 7.6 |
| S. Farnborough | 54 | 26 | 15 | – | Tr | 10.8 |
| Boscombe Down | 54 | 29 | 25 | – | – | 10.4 |
| Calshot (Sthmtn.) | 58 | 35 | 33 | – | – | 11.6 |
| Lympne ... | 49 | 36 | 30 | – | – | 7.9 |
| Manston ... | 48 | 39 | 39 | – | Tr | 11.2 |
| Shoeburyness ... | 53 | 36 | 29 | – | – | 5.8 |
| Felixstowe ... | 51 | 38 | 35 | – | – | 8.0 |
| Gorleston ... | 48 | 39 | 37 | Tr | 0.1 | 2.8 |
| Mildenhall ... | 49 | 36 | 31 | – | Tr | 5.2 |
| Cranwell ... | 45 | 33 | 26 | – | – | 7.1 |
| Birmingham ... | 51 | 35 | 25 | – | – | 6.4 |
| Upper Heyford | 52 | 31 | 24 | – | – | * |
| Ross-on-Wye | 54 | 35 | 27 | – | – | 9.6 |
| Bristol ... | 55 | 32 | 23 | – | – | 10.7 |
| Portland Bill ... | 54 | 39 | * | – | – | * |
| Plymouth ... | 55 | 39 | 31 | – | – | 11.7 |
| The Lizard ... | 53 | 45 | * | – | – | 11.7 |
| Scilly (St. Mary's) | 54 | 45 | * | – | – | 12.0 |
| Guernsey .. | 53 | 43 | 38 | – | – | 11.2 |
| Pembroke ... | 54 | 42 | * | – | – | 11.5 |
| Holyhead ... | 53 | 41 | 36 | – | – | 12.0 |
| Chester (Sealand) | 53 | 29 | 24 | – | – | 9.3 |
| Manchester ... | 52 | 26 | 21 | – | – | 6.0 |
| Spurn Head ... | 45 | 40 | * | – | Tr | 1.0 |
| Catterick ... | 47 | 34 | 29 | – | – | 7.4 |
| Tynemouth ... | 44 | 41 | 37 | – | – | 3.4 |
| St. Abbs Head .. | 45 | 37 | * | – | Tr | * |
| Leuchars ... | 50 | 26 | 14 | – | – | 5.9 |
| Renfrew (Abbots I.) | 53 | 31 | 25 | – | – | 6.3 |
| Eskdalemuir ... | 50 | 27 | 21 | – | – | 7.9 |
| Point of Ayre ... | 51 | 37 | * | – | – | 11.6 |
| Tiree ... ... | 47 | 35 | 30 | – | – | 10.7 |
| Stornoway ... | 45 | 35 | * | – | – | 2.8 |
| Dalwhinnie ... | 41 | 20 | 10 | – | – | 3.0 |
| Aberdeen ... | 45 | 35 | 33 | – | – | 1.7 |
| Wick ... | 43 | 31 | * | – | – | * |
| Lerwick ... | 39 | 32 | * | Tr | – | 0.8 |
| Blacksod Point | 58 | 42 | * | – | – | * |
| Malin Head ... | 49 | 37 | * | – | – | 12.0 |
| Aldergrove ... | 53 | 33 | 26 | – | – | 11.5 |
| Birr Castle ... | 58 | 30 | * | – | – | 12.1 |
| Valentia Obsy. † | 57 | 45 | 32 | – | – | 9.5 |
| Roches Point | 52 | 41 | * | – | Tr | * |

### LONDON OBSERVATIONS

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations except for rainfall which is 9h—18h.

| | Height above M.S.L. in feet | Weather Morning (24 hrs. ended 9h.) | Weather Afternoon (24 hrs. ended 9h.) | Weather Night (24 hrs. ended 9h.) | Temperature Day Max. °F. | Temperature Night Min. °F. | Temperature Min. on Grass °F. | Rainfall Day mm. | Rainfall Night mm. | Sunshine to Sunset hrs. (Yesterday.) | Humidity 15h. G.M.T % (Yesterday.) | Humidity 9h. G.M.T % (To-day.) | Visibility 9h. (To-day.) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kew.. ... ... ... ... ... | 18 | bczfy | cbbcy | bcyzmw | 51 | 35 | 25 | – | – | 9.1 | * | * | 6 |
| Croydon ... ... ... ... ... | 217 | czy | cbczy | bzWmw | 52 | 32 | 26 | – | – | 7.6 | * | * | 6 |
| Greenwich (Royal Observatory)... | 149 | c | cy | cbc | 52 | 36 | 27 | – | – | 7.1 | 42 | 62 | 7 |
| City (Bunhill Row) ... ... ... | — | * | * | * | * | * | * | * | * | 8.1 | * | * | * |
| Westminster (St. James' Park) ... | 27 | * | * | * | 55 | 38 | 32 | – | – | 7.1 | 42 | 69 | * |
| Regents Pk. (Botanic Gardens)‡... | 168 | * | * | * | 54 | 35 | 29 | – | – | 8.2 | 60 | 83 | * |
| Camden Square ... ... ... | 110 | bcc | cb | * | 56 | 36 | 34 | – | – | * | * | 68 | * |
| Kensington ... ... ... ... | 80 | cbc | bc | * | 54 | 36 | 28 | – | – | 8.9 | 50 | 69 | * |
| Hampstead Observatory ... ... | 450 | bc | bc | 0 | 51 | 37 | 27 | – | – | 5.7 | * | 80 | * |

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. 9th

| South Kensington Max | Time. | Min. | Time. |
|---|---|---|---|
| <0.3 | Whole | period | |

| Kew Observatory Max. | Time. | Min. | Time. |
|---|---|---|---|
| 0.2 | 8h 8th | <0.1 | 14-15h 8th |

### FOREIGN OBSERVATIONS.

| Stations | 18h G.M.T. 8th April Barom. mb. | Wind Direc. | Wind Force | Weather | Temp. °F. | 7h. G.M.T. 9th April Barom. mb. | Wind Direc. | Wind Force | Weather | Temp. °F. | Past 24 Hours Max. Day °F. | Min. Night °F. | Rainfall Day mm. | Rainfall Night mm. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Paris ... ... ... ... ... | 1023.5 | N | 3 | b | 54 | 1027.7 | NE | 3 | bc | 37 | 57 | 34 | – | – |
| Brussels ... ... ... ... ... | 1024.5 | N | 4 | bc | 43 | 1026.4 | NW | 3 | c | 39 | 52 | 32 | – | 0.4 |
| Berlin ... ... ... ... ... | 1011.4 | NW | 4 | bc | 46 | 1013.6 | NW | 4 | c | 37 | 50 | 36 | – | 0.1 |
| Zürich ... ... ... ... ... | 1019.9 | N | 2 | bc | 43 | 1021.1 | NW | 2 | bc | 37 | 57 | 34 | – | – |
| Rome ... ... ... ... ... | 1007.4 | W | 3 | b | 57 | 1013.3 | E | 2 | c | 50 | * | * | – | – |

## EXPLANATION OF FIGURES, LETTERS, etc.

**COLUMNS 2, 16.**
The barometric tendency is expressed in tenths of a millibar.

**COLUMNS 4, 18.**
The Beaufort Scale of Wind is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers is the speed at about 30 feet above the ground.

| Beaufort No. | Statute m/h. | Beaufort No. | Statute m/h. | Beaufort No. | Statute m/h. |
|---|---|---|---|---|---|
| 0 | <1 | 4 | 13–18 | 9 | 47–54 |
| 1 | 1–3 | 5 | 19–24 | 10 | 55–63 |
| 2 | 4–7 | 6 | 25–31 | 11 | 64–75 |
| 3 | 8–12 | 7 | 32–38 | 12 | > 75 |
| | | 8 | 39–46 | | |

**COLUMNS 34, 35.**
Tr. = rain has fallen, but amount less than 0·1 mm.

**COLUMNS 8, 22.—Code for surface visibility.**

| | | Objects not visible at |
|---|---|---|
| 0 | Dense fog | 55 yards. |
| 1 | Thick fog | 220 ,, |
| 2 | Fog | 550 ,, |
| 3 | Moderate fog | 1,100 ,, |
| 4 | Mist or haze | 1¼ miles. |
| 5 | Poor visibility | 2½ ,, |
| 6 | Moderate ,, | 6½ ,, |
| 7 | Good ,, | 12½ ,, |
| 8 | Very good ,, | 31 ,, |
| 9 | Excellent ,, | beyond 31m. |

**COLUMN 30.—Code for State of Sea.**

| | |
|---|---|
| 0 Calm. | 5 Very rough |
| 1 Smooth. | 6 High. |
| 2 Slight. | 7 Very high |
| 3 Moderate. | 8 Precipitous |
| 4 Rough. | 9 Confused. |

TERMS OF SUBSCRIPTION. { Single Copies, 1d. each: by post 1½d. { 2/6 per month; 6/6 per quarter; 25/- per year.

METEOROLOGICAL OFFICE, AIR MINISTRY, ADASTRAL HOUSE, KINGSWAY, LONDON, W.C.2.

George C. Simpson, K.C.B., D.Sc., F.R.S. Director.

† 1 hr. observations are from Valentia W/T Station. ‡ Maximum and Minimum Temperatures are for the 24 hours ending 8 h. § Sea disturbance reported from Dungeness.

AIR MINISTRY.

# THE DAILY WEATHER REPORT

## OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Sunday 10th April, 1938.
No. 27898.

### OBSERVATIONS at 13h. G.M.T. 9th April

| District | Stations. (For heights see p. 4.) | Barom. at M.S.L. mb. (1) | Change in 3 hours. (2) | Wind. Direc. (3) | Wind. Force 0–12 (4) | Weather. (5) | °Temp. F. (6) | % Humid. (7) | Visibility 0–9 (8) | Cloud. Form. Low (9) | Cloud. Form. Med. (10) | Cloud. Form. High (11) | Cloud. Amount. Low 0–10 (12) | Cloud. Amount. Total 0–10 (13) | Height of Base (feet) (14) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | London (Kew) | 1032.3 | +2 | N'E | 4 | $Z_o$ | 46 | 55 | 6 | 5 | - | - | 9+ | 9+ | 2500 |
| | Croydon ... | 1031.6 | +6 | NNE | 3 | $Z_o$ | 46 | 55 | 6 | 7 | 3 | - | 7-8 | 9+ | 4000 |
| | S. Farnborough | 1032.3 | +6 | NE'E | 3 | c | 46 | 55 | 7 | 7 | - | - | 9+ | 9+ | 2500 |
| | Boscombe Down | 1032.5 | +6 | NE | 3 | c | 47 | 45 | 8 | 7 | - | - | 7-8 | 7-8 | 4000 |
| | Calshot (Sthmtn.) | 1032.2 | +8 | NE | 4 | c | 48 | 45 | 7 | 5 | - | - | 9+ | 9+ | 4000 |
| | Lympne ... | 1032.1 | +10 | N | 4 | c/pr | 41 | 65 | 9 | 8 | - | - | 10 | 10 | 2500 |
| | Manston ... | 1031.8 | +8 | NE'E | 3 | c | 44 | 65 | 8 | 8 | - | - | 9+ | 9+ | 4000 |
| 2 | Shoeburyness ... | 1032.0 | +6 | NNE | 5 | c | 46 | 55 | 8 | 8 | - | - | 9+ | 9+ | 2500 |
| | Felixstowe ... | 1031.7 | +10 | N'W | 4 | c/pr | 45 | 55 | 8 | 8 | 3 | - | 7-8 | 10 | 1500 |
| | Gorleston ... | 1031.4 | +12 | NNW | 5 | c | 46 | 55 | 7 | 8 | - | - | 9+ | 9+ | 2500 |
| | Mildenhall ... | 1032.2 | +6 | NE'N | 4 | c | 46 | 55 | 8 | 7 | - | - | 9+ | 9+ | 4000 |
| | Cranwell ... | 1033.4 | +6 | N'E | 4 | $pr_o$ | 45 | 55 | 8 | 8 | - | - | 4-6 | 10 | 2500 |
| 3 | Birmingham ... | 1033.5 | +4 | NE | 3 | $Z_o$ | 45 | 45 | 6 | 5 | - | - | 7-8 | 7-8 | 4000 |
| | Upper Heyford | 1033.0 | +12 | NE'N | 3 | c | 44 | 55 | 8 | 5 | - | - | 9 | 9 | 2500 |
| 4 | Ross-on-Wye | 1032.4 | +4 | ENE | 3 | bc | 49 | 45 | 7 | 7 | - | - | 4-6 | 4-6 | 4000 |
| 5 | Bristol ... | 1032.9 | +6 | E'N | 3 | $Z_o$ | 49 | 55 | 7 | 1 | - | - | 4-6 | 4-6 | 4000 |
| | Portland Bill ... | 1031.4 | 0 | E | 3 | c | 48 | 65 | 7 | 1 | - | - | 7-8 | 7-8 | 2500 |
| | Plymouth ... | 1031.0 | +2 | E | 3 | b | 49 | 55 | 8 | 1 | 3 | 8 | Tr | Tr | 5700 |
| | The Lizard ... | 1030.3 | +6 | E'N | 5 | bc | 49 | 65 | 7 | 7 | - | - | 2-3 | 2-3 | 4000 |
| | Scilly (St. Mary's) | 1029.6 | +8 | E'S | 4 | bc | 52 | 65 | 7 | 1 | - | - | 2-3 | 2-3 | 4000 |
| | Guernsey ... | 1029.8 | -2 | NE'E | 5 | bc | 48 | 65 | 8 | 1 | - | - | 2-3 | 2-3 | 2500 |
| 6 | Pembroke ... | 1032.4 | +4 | SE | 4 | bc | 47 | 65 | 7 | - | 1 | - | 0 | 4-6 | - |
| 7 | Holyhead ... | 1032.5 | +6 | E | 4 | b | 48 | 65 | 7 | - | - | - | 0 | 0 | - |
| | Chester (Sealand) | 1033.8 | +2 | E | 2 | $Z_o$ | 49 | 45 | 6 | 3 | - | - | 4-6 | 4-6 | 4000 |
| 8 | Manchester ... | 1034.0 | +6 | NE | 3 | $Z_o$ | 45 | 55 | 6 | 7 | - | - | 4-6 | 4-6 | 4000 |
| 10 | Spurn Head ... | 1033.9 | +10 | N'E | 4 | c | 44 | 75 | 8 | 5 | - | - | 9+ | 9+ | 1500 |
| | Catterick ... | 1035.0 | +4 | NE'N | 2 | c | 43 | 45 | 7 | 5 | - | - | 9+ | 9+ | 2500 |
| | Tynemouth ... | 1035.1 | +12 | NE | 3 | c | 42 | 55 | 8 | 8 | - | - | 9+ | 9+ | 1500 |
| 11 | St Abbs Head . | 1035.2 | +12 | NNE | 2 | bc | 43 | 55 | 9 | 1 | 1 | 1 | 2-3 | 4-6 | 4000 |
| 12 | Leuchars ... | 1035.4 | +2 | ESE | 2 | bc | 45 | 55 | 8 | 1 | - | 2 | 1 | 4-6 | 4000 |
| | Renfrew (Abbotsl.) | 1034.5 | -2 | E'N | 2 | bc | 48 | 45 | 7 | 7 | - | - | 2-3 | 2-3 | 5700 |
| | Eskdalemuir ... | 1035.0 | +4 | ENE | 3 | c | 42 | 55 | 7 | 8 | - | - | 9+ | 9+ | 4000 |
| | Point of Ayre... | 1034.3 | +4 | E'S | 2 | bc | 47 | 75 | 8 | 1 | 4 | - | 1 | 2-3 | 4000 |
| 13A | Tiree ... ... | 1033.4 | +6 | SE'E | 5 | b | 47 | 55 | 8 | - | - | 5 | 0 | 1 | - |
| 13B | Stornoway ... | 1034.3 | +4 | SSE | 2 | b | 46 | 65 | 9 | - | - | 8 | 0 | 1 | - |
| 15 | Dalwhinnie ... | 1034.5 | -2 | S | 3 | bc | 47 | 45 | 8 | 4 | - | 2 | Tr | 2-3 | 4000 |
| | Aberdeen ... | 1035.5 | +4 | SE | 2 | bc | 46 | 55 | 9 | 5 | - | 1 | 4-6 | 4-6 | 2500 |
| | Wick ... | 1034.6 | 0 | S | 3 | c | 47 | 65 | 8 | 8 | 7 | 8 | 4-6 | 7-8 | 1500 |
| 16 | Lerwick ... | 1034.3 | +6 | SSW | 2 | c | 43 | 75 | 8 | 8 | 7 | - | 2-3 | 7-8 | 1500 |
| 17 | Blacksod Point | 1028.8 | +8 | SE | 3 | bc | 55 | 65 | 8 | - | - | 4 | 0 | 2-3 | - |
| 18 | Malin Head ... | 1032.3 | +4 | SE'E | 4 | c | 48 | 75 | 6 | 8 | - | 9 | 4-6 | 7-8 | 4000 |
| | Aldergrove ... | 1033.3 | +4 | E'S | 4 | c | 49 | 55 | 7 | 5 | - | - | 7-8 | 7-8 | 2500 |
| 19 | Birr Castle ... | 1029.0 | +2 | SE | 1 | c | 57 | 55 | 7 | 1 | - | 5 | 4-6 | 7-8 | 2500 |
| 20 | Valentia Obsy. † | 1027.8 | +6 | SE'E | 4 | bc | 59 | 55 | 8 | 1 | - | 2 | Tr | 4-6 | 2500 |
| | Roches Point | 1030.6 | * | SE | 3 | bc | 52 | 85 | 8 | 1 | - | - | 4-6 | 4-6 | 2500 |

### OBSERVATIONS at 18h. G.M.T. 9th April

| District | Stations. | Barom. at M.S.L. mb. (15) | Change in 3 hours. (16) | Wind. Direc. (17) | Wind. Force 0–12 (18) | Weather. (19) | °Temp. F. (20) | % Humid. (21) | Visibility 0–9 (22) | Cloud. Form. Low (23) | Cloud. Form. Med. (24) | Cloud. Form. High (25) | Cloud. Amount. Low 0–10 (26) | Cloud. Amount. Total 0–10 (27) | Height of Base (feet) (28) | State of Ground. 0–9 (29) | Sea. 0–9 (30) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | London (Kew) | 1033.4 | +12 | NNE | 3 | $Z_o$ | 45 | 55 | 6 | 5 | - | - | 10 | 10 | 2500 | 0 | * |
| | Croydon ... | 1032.7 | +10 | ENE | 3 | $Z_o$ | 44 | 55 | 6 | 5 | - | - | 9+ | 9+ | 4000 | 0 | * |
| | S. Farnborough | 1033.1 | +8 | NE'N | 3 | c | 45 | 55 | 7 | 5 | - | - | 9+ | 9+ | 4000 | 0 | * |
| | Boscombe Down | 1033.3 | +8 | NE | 3 | c | 45 | 55 | 8 | 5 | - | - | 9+ | 9+ | 4000 | 0 | * |
| | Calshot (Sthmtn.) | 1032.5 | +6 | NE'N | 3 | $Z_o$ | 47 | 55 | 7 | 5 | - | - | 4-6 | 4-6 | 4000 | 0 | 2 |
| | Lympne ... | 1033.1 | +14 | NNE | 5 | bc | 40 | 65 | 9 | 8 | - | - | 4-6 | 4-6 | 4000 | 0 | § 3 |
| | Manston ... | 1033.1 | +10 | NE | 4 | bc | 41 | 65 | 8 | 8 | - | - | 4-6 | 4-6 | 4000 | 0 | * |
| 2 | Shoeburyness ... | 1033.5 | +12 | NE'N | 4 | c | 43 | 65 | 8 | 8 | - | - | 7-8 | 7-8 | 4000 | 0 | * |
| | Felixstowe ... | 1033.3 | +18 | NNE | 4 | bc | 43 | 65 | 8 | 4 | 3 | - | 2-3 | 4-6 | 4000 | 0 | 2 |
| | Gorleston ... | 1033.1 | +10 | N'W | 4 | c | 44 | 65 | 7 | 8 | 4 | - | 4-6 | 7-8 | 2500 | 0 | 3 |
| | Mildenhall ... | 1034.1 | +16 | NNE | 4 | c | 44 | 55 | 8 | 5 | - | - | 9+ | 9+ | 4000 | 0 | * |
| | Cranwell ... | 1034.8 | +10 | NNE | 3 | c | 43 | 55 | 9 | 6 | - | - | 2-3 | 9 | 2500 | 0 | * |
| 3 | Birmingham ... | 1034.5 | +6 | ENE | 3 | $Z_o$ | 44 | 55 | 6 | 8 | - | - | 7-8 | 7-8 | 4000 | 0 | * |
| | Upper Heyford | 1033.9 | +10 | NE | 3 | c | 43 | 65 | 8 | 5 | - | - | 9+ | 9+ | 4000 | 0 | * |
| 4 | Ross-on-Wye | 1033.7 | +8 | E'N | 3 | b | 45 | 45 | 7 | 5 | - | - | 1 | 1 | 4000 | 0 | * |
| 5 | Bristol ... | 1033.3 | +8 | ENE | 3 | $Z_o$ | 46 | 55 | 7 | 7 | - | - | 4-6 | 4-6 | 4000 | 0 | * |
| | Portland Bill ... | 1032.0 | +10 | E | 3 | c | 46 | 65 | 7 | 4 | - | - | 7-8 | 7-8 | 2500 | 0 | 3 |
| | Plymouth ... | 1031.8 | +6 | E | 2 | b | 47 | 65 | 8 | 1 | - | - | Tr | Tr | 4000 | 0 | 1 |
| | The Lizard ... | 1030.8 | +2 | E | 5 | bc | 45 | 65 | 8 | 1 | - | - | 2-3 | 2-3 | 4000 | 0 | 3 |
| | Scilly (St. Mary's) | 1031.1 | +4 | ESE | 5 | b | 46 | 65 | 7 | - | - | - | 0 | 0 | - | 0 | 3 |
| | Guernsey ... | 1031.0 | +8 | ENE | 4 | bc | 45 | 65 | 9 | 1 | 3 | - | 1 | 2-3 | 2500 | 0 | 3 |
| 6 | Pembroke ... | 1032.9 | +6 | SE | 3 | bc | 48 | 75 | 7 | 5 | 2 | - | 2-3 | Tr | 2500 | 0 | 1 |
| 7 | Holyhead ... | 1032.9 | +4 | E'N | 4 | b | 46 | 75 | 7 | - | - | - | 0 | 0 | - | 0 | 3 |
| | Chester (Sealand) | 1034.8 | +10 | E | 2 | $Z_o$ | 47 | 55 | 6 | - | 8 | - | 0 | 4-6 | - | 0 | * |
| 8 | Manchester ... | 1035.0 | +16 | E'N | 2 | $Z_o$ | 45 | 45 | 6 | - | 3 | 1 | 0 | 4-6 | - | 0 | * |
| 10 | Spurn Head ... | 1035.2 | +10 | NNE | 3 | bc | 42 | 75 | 8 | 5 | 3 | - | 2-3 | 4-6 | 4000 | 0 | 2 |
| | Catterick ... | 1036.0 | +8 | NE | 2 | c | 42 | 55 | 8 | 5 | - | - | 9+ | 9+ | 4000 | 0 | * |
| | Tynemouth ... | 1035.9 | +4 | NE | 3 | c | 43 | 65 | 8 | 2 | - | - | 7-8 | 7-8 | 1500 | 0 | 2 |
| 11 | St Abbs Head . | 1036.6 | +6 | ESE | 2 | bc | 43 | 55 | 9 | 4 | - | 3 | 4-6 | 4-6 | 4000 | 0 | 2 |
| 12 | Leuchars ... | 1036.8 | +8 | SE | 3 | bc | 44 | 65 | 8 | - | - | 1 | 0 | 2-3 | - | 0 | * |
| | Renfrew (Abbotsl.) | 1035.1 | +4 | SE'S | 2 | b | 48 | 55 | 7 | 7 | - | - | 1 | 1 | 5700 | 0 | * |
| | Eskdalemuir ... | 1035.8 | +4 | E | 4 | bc | 42 | 55 | 7 | 7 | - | 1 | 4-6 | 4-6 | 4000 | 0 | * |
| | Point of Ayre... | 1034.8 | 0 | ESE | 1 | b | 46 | 65 | 8 | - | 4 | - | 0 | Tr | - | 0 | 1 |
| 13A | Tiree ... ... | 1033.8 | +6 | SSE | 4 | b | 47 | 65 | 7 | - | - | - | 0 | 0 | - | 0 | 3 |
| 13B | Stornoway ... | 1034.5 | +6 | SSE | 2 | bc | 45 | 65 | 9 | - | - | 5 | 0 | 2-3 | - | 1 | 1 |
| 15 | Dalwhinnie ... | 1036.0 | +4 | SSE | 4 | b | 45 | 45 | 8 | - | - | 3 | 0 | Tr | - | 0 | * |
| | Aberdeen ... | 1037.4 | +6 | SE'S | 3 | bc | 43 | 65 | 7 | 1 | - | 8 | Tr | 4-6 | 2500 | 0 | 2 |
| | Wick ... | 1035.6 | +6 | SSW | 3 | bc | 44 | 75 | 8 | 5 | 5 | 1 | 2-3 | 4-6 | 1500 | 1 | 1 |
| 16 | Lerwick ... | 1035.7 | +10 | SSW | 2 | c | 41 | 85 | 8 | 8 | 7 | - | 4-6 | 7-8 | 1500 | 0 | * |
| 17 | Blacksod Point | 1028.9 | +4 | - | 0 | bc | 57 | 65 | 8 | - | - | 4 | 0 | 4-6 | - | 0 | 0 |
| 18 | Malin Head ... | 1032.7 | +4 | SE'E | 4 | b | 49 | 75 | 7 | - | - | - | 0 | 0 | - | 0 | 2 |
| | Aldergrove ... | 1034.2 | +6 | ESE | 3 | b | 45 | 75 | 7 | 1 | - | - | Tr | Tr | 2500 | 0 | * |
| 19 | Birr Castle ... | 1031.0 | +8 | SSE | 2 | b | 53 | 65 | 8 | - | - | 1 | 0 | 1 | - | 0 | * |
| 20 | Valentia Obsy. † | 1029.0 | +8 | SE'E | 4 | bc | 55 | 55 | 7 | - | 4 | 6 | 0 | 4-6 | - | 0 | 1 |
| | Roches Point | 1031.7 | * | SE | 4 | bc | 49 | 92 | 7 | 5 | - | - | 4-6 | 4-6 | 2500 | 0 | 2 |

### PAST 24 HOURS.

| District | Stations. | Weather. 7h.–13h. 9th (37) | Weather. 13h.–18h. 9th (38) | Weather. 18h. 9th to 1h. 10th (39) | Weather. 1h.–7h. 10th (40) |
|---|---|---|---|---|---|
| 1 | London (Kew) | czy | czy | cz.ybz. | bz.cz. |
| | Croydon ... | cm.zy | czy | cybcbwx | bcxcbc |
| | S. Farnborough | bm.xcy | cy | cyc | cbc |
| | Boscombe Down | bbcy | bcycy | cbc | bcxbc |
| | Calshot (Sthmtn.) | bccy | cbcym. | bcym.cm | cm.bcm |
| | Lympne ... | cypr. | pr.phc | bcbbcpr. | bcbxbc |
| | Manston ... | cpr. | cpr. | cbccpr. | cbcxy |
| 2 | Shoeburyness ... | cpr.c | cyc | cbcbx | bxb |
| | Felixstowe ... | cycpr. | cpr.bc | bccprq | bcv |
| | Gorleston ... | cphrqy | cphr. | cpr.c | bc |
| | Mildenhall ... | cvy | cy | cbcc | cbcx |
| | Cranwell ... | cm.zc | cy | cyc | c |
| 3 | Birmingham ... | bbcz | cbccz | cbcc | c |
| | Upper Heyford | bm.cy | cy | cbc | bcc |
| 4 | Ross-on-Wye | bybcy | bcyby | cbbcc | bcbx |
| 5 | Bristol ... | bm.bcy | bcy | bcycbc | bcbx |
| | Portland Bill ... | bcc | c | c | cbc |
| | Plymouth ... | bcby | by | bybbc | bcc |
| | The Lizard ... | cbc | bc | bcc | c |
| | Scilly (St. Mary's) | bcbbc | bcb | bbcc | cbcc |
| | Guernsey ... | bc | bc | bcc | c |
| 6 | Pembroke ... | cbc | bc | bbc | bc |
| 7 | Holyhead ... | cb | b | bz.wc | c, b |
| | Chester (Sealand) | bm.bczy | bczy | bczbmw | bm.wx |
| 8 | Manchester ... | bmbcz. | bcyz. | bcz.m | bcbmx |
| 10 | Spurn Head ... | cpr. | c | c | cpr. |
| | Catterick ... | cm.cy | cy | yc | c |
| | Tynemouth ... | c | cbcc | co | oc |
| 11 | St Abbs Head . | bbcy | bcy | b | bbc |
| 12 | Leuchars ... | bcxcbc | bcyb | bxz. | bxz. |
| | Renfrew (Abbotsl.) | bzbcy | bcbzy | bybm.x | bm.x |
| | Eskdalemuir ... | bccy | cybcy | bcbx | bx |
| | Point of Ayre... | bcbc | bcb | b | b |
| 13A | Tiree ... ... | b | b | b | bbc |
| 13B | Stornoway ... | bcb | bbcy | bcb | bm. |
| 15 | Dalwhinnie ... | b | b | * | b |
| | Aberdeen ... | cbcy | bcy | bcbcx | bz.x |
| | Wick ... | c | bc | bcb | bcb |
| 16 | Lerwick ... | c | cbcc | cbc | bc |
| 17 | Blacksod Point | bc | bc | bc | b |
| 18 | Malin Head ... | bczc | bczb | bbc | bcz. |
| | Aldergrove ... | bm.bczcy | cyb | b, wm. | bwm. |
| 19 | Birr Castle ... | bbcc | cbc | bcb | b |
| 20 | Valentia Obsy. † | bbcy | bcy | bcyb | bbc |
| | Roches Point | bc | bc | bcb | bbc |

## EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

### COLUMNS 5, 19, 37, 38, 39, 40—BEAUFORT NOTATION AND SYMBOLS FOR WEATHER.

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog „ less than 220 yds.
os, low fog over sea (coast station).
fg, low fog over land (inland station).
m, mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jf, fog at a distance, but not at station.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/s., slight storm of drifting snow (generally low).
k/S, heavy storm of drifting snow (generally low).
s./k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze: the turbid atmosphere of dry weather.
h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus R, heavy rain. $r_o$, slight rain. rr, continuous rain.
<, less than (for cloud height).
⊕, Solar halo. ☽ lunar halo. ↗ gale.
With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions thus:—bc/r, fair weather after rain; —, has decreased; +, has increased.

### COLUMNS 9, 23.—FORM OF LOW CLOUD.

0 No low clouds.
1 Fair weather Cu.
2 Large Cu without anvil.
3 Cb.
4 Sc formed by the spreading out of Cu.
5 Layer of St or Sc.
6 Ragged low clouds of bad weather (or fractonimbus).
7 Fair weather Cu. and Sc.
8 Large-Cu (or Cb) and Sc.
9 Large-Cu (or Cb) and ragged low clouds of bad weather.

### COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4–6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries. "tr" signifies a small amount of cloud (trace) covering less than 1/20 of the sky "9+" signifies an overcast sky with a few small openings.

### COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

0 No medium clouds.
1 Typical As (thin).
2 Typical As (thick) (sun or moon invisible), or Nimbostratus (Ns).
3 Single layer of Ac or high Sc.
4 Ac in isolated patches. Individually decreasing (often lenticular).
5 Ac in bands (increasing).
6 Ac formed from the spreading out of Cu.
7 Ac associated with As or As with parts resembling Ac.
8 Ac Castellatus (or Ac in ragged fragments).
9 Ac in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

### COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

0 No cirriform cloud.
1 Fine Ci not increasing: sparse.
2 Fine Ci not increasing: abundant but not a continuous layer.
3 Anvil Ci (usually dense).
4 Fine Ci increasing: usually in tufts.
5 Ci or Cs increasing: still below 45° altitude: often in polar bands.
6 Ci or Cs increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Cs covering whole sky.
8 Cs not increasing and not covering whole sky.
9 Cc predominating, and a little cirrus.
(Cc may occur with any of the types 1 to 8).

Cloud form abbreviations:—
Cirrus,–Ci: Cirrocumulus,–Cc: Cirrostratus,–Cs: Altocumulus,–Ac: Altostratus,–As
Stratocumulus,–Sc: Stratus,–St: Nimbostratus,–Ns: Cumulus,–Cu: Cumulonimbus,–Cb

### COLUMN 29.—STATE OF GROUND.

0 .. Ground dry.
1 .. „ wet.
2 .. „ flooded.
3 .. „ frozen hard and dry.
4 .. „ partly covered with snow or hail.
5 .. „ covered with ice or glazed frost.
6 .. Ground covered with thawing snow.
7 .. „ covered with snow, less than 6 ins., deep but ground not frozen.
8 .. „ covered with snow, less than 6 ins., but ground frozen.
9 .. „ covered with snow greater than 6 ins. deep.

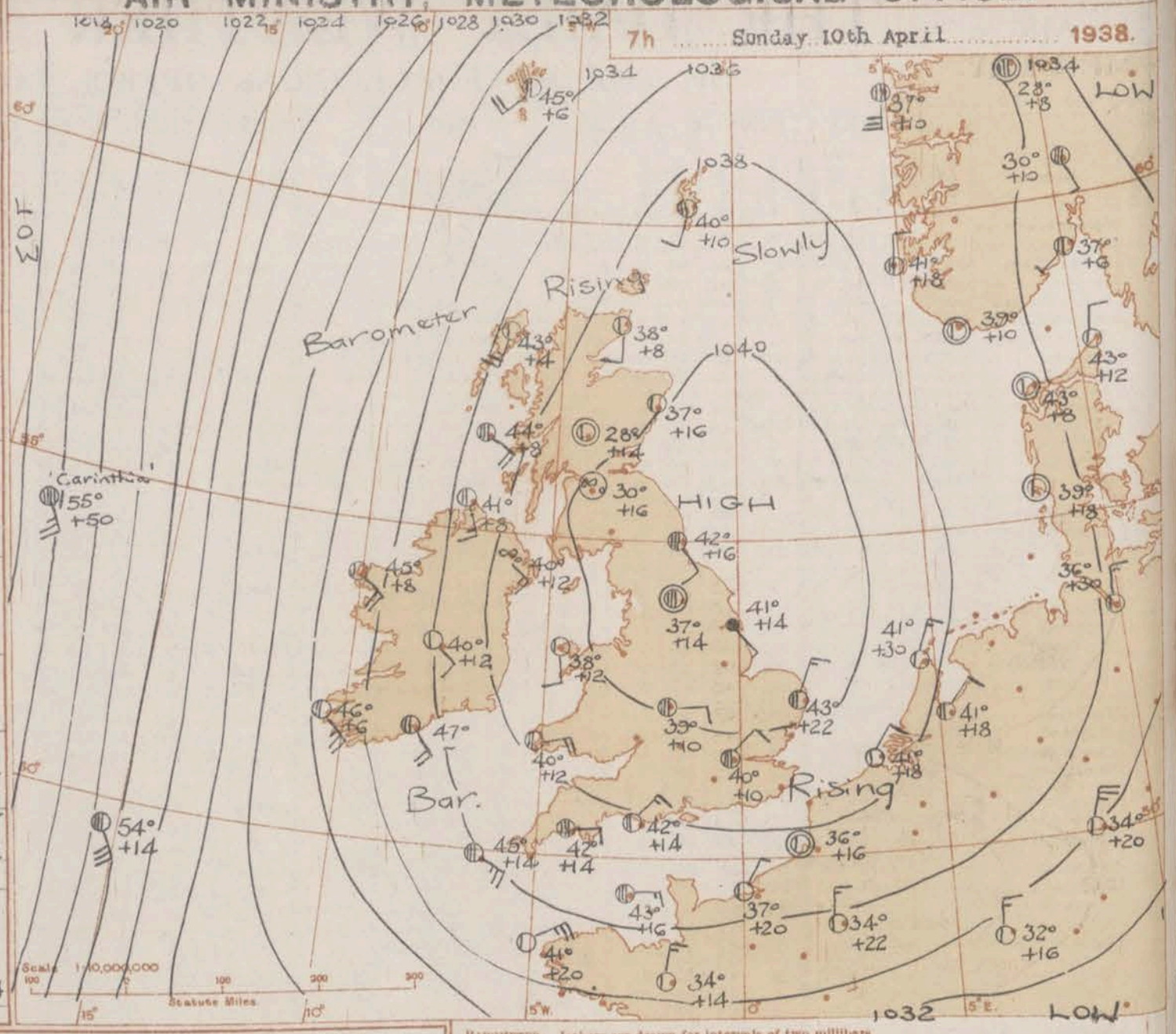
NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

† Sea disturbance reported from Dungeness.

REPORTS from HEALTH RESORTS for 9th April 1938

| Districts | Stations | Weather. Forenoon. | Weather. Afternoon. | Temperature (°F.) Min. 9h. 8th to 9h. 9th | Temperature (°F.) Max. 9h.—17h. 9th | Rainfall (mm.) Night. 17h. 8th to 9h. 9th | Rainfall (mm.) Day. 9h.—17h. 9th | Sunshine (Hrs.) Sunrise to 17h. 9th | Sunshine (Hrs.) Sunrise to Sunset. 8th |
|---|---|---|---|---|---|---|---|---|---|
| 1 | Tunbridge W | oc | coc | 30 | 46 | - | - | 0.4 | 8.4 |
| | Bournemouth | b | b | 32 | 51 | - | - | 9.5 | 11.6 |
| | Ventnor | xbbc | bc | 36 | 49 | - | - | 6.1 | 11.7 |
| | Southsea | bpc | bcc | 35 | 50 | - | - | 4.4 | 9.3 |
| | Bognor Regis | bbcc | cbcc | 33 | 49 | - | - | 3.8 | 11.0 |
| | Littlehampton | bcc | cbcc | 32 | 48 | - | - | 3.2 | 10.9 |
| | Worthing | c | c | 35 | 48 | - | - | 3.1 | 10.7 |
| | Brighton | c | c | 36 | 48 | - | - | 1.7 | 9.5 |
| | Eastbourne† | co | oc | 35 | 48 | - | - | 1.6 | 9.3 |
| | Hastings† | co | bcc | 34 | 47 | - | - | 0.3 | 7.5 |
| | Folkestone | orho | ocbc | 39 | 46 | Trace | Trace | 0.4 | 10.2 |
| | Dover | oirc | cbcy | 40 | 49 | - | Trace | 2.3 | 10.5 |
| | Deal | opo | opoc | 40 | 47 | Trace | Trace | 1.8 | 10.6 |
| | Ramsgate | cdoc | cbc | 42 | 45 | Trace | - | 1.9 | 11.4 |
| | Margate | cdo | cbc | 40 | 45 | - | Trace | 1.5 | 11.4 |
| 2 | Southend | co | oc | 37 | 47 | - | - | 0.1 | 6.6 |
| | Clacton-on-Sea | c | cpc | 38 | 46 | - | Trace | 0.1 | 7.6 |
| | Dovercourt | ocv | bccv | 40 | 46 | - | - | 0.0 | 9.8 |
| | Lowestoft | ccprc | cprbc | 39 | 49 | Trace | Trace | 0.7 | 4.1 |
| | Skegness | ophso | ocbc | 38 | 46 | Trace | Trace | 1.1 | 1.4 |
| | Mablethorpe | c | bcy | 38 | 47 | - | - | 1.6 | 1.4 |
| | Cleethorpes | c | cbc | 38 | 45 | Trace | - | 0.2 | 0.9 |
| 3 | Leamington S. | co | co | 30 | 48 | - | - | 3.7 | 8.0 |
| 4 | Cheltenham† | bccbc | cbcc | 34 | 50 | - | - | 8.2 | 9.9 |
| 5 | Bath | b | bcb | 33 | 49 | - | - | 10.9 | 11.8 |
| | Weymouth | b | p | 36 | 52 | - | - | 10.1 | 11.9 |
| | Jersey | bc | bc | 41 | 52 | - | - | 8.5 | 11.4 |
| | Torquay | wb | bby | 38 | 49 | - | - | 10.8 | 12.1 |
| | Falmouth | b | b | 45 | 50 | - | - | 7.9 | 11.9 |
| | Penzance | bbcb | b | 44 | 52 | - | - | 9.3 | 11.7 |
| | St. Ives | b | b | 48 | * | - | - | 7.5 | 10.8 |
| | Bude | b | b | 38 | 53 | - | - | 10.2 | 11.0 |
| | Ilfracombe | b | b | 39 | 51 | - | - | 10.3 | 11.7 |
| 6 | Aberystwyth | cbc | bcc | 40 | 53 | - | - | 8.2 | 11.8 |
| 7 | Llandudno | bcb | bz | 38 | 49 | - | - | 7.7 | 11.8 |
| | Colwyn Bay | bcb | bcc | 37 | 49 | - | - | 8.1 | 11.7 |
| | Rhyl | b | bzo | 38 | 50 | - | - | 10.2 | 11.7 |
| 8 | Wallasey | bz | bbcz | 34 | 50 | - | - | 6.9 | 10.7 |
| | Southport | b | bbc | 30 | 51 | - | - | 11.1 | 10.7 |
| | Blackpool | bc | bcb | 29 | 51 | - | - | 9.3 | 10.4 |
| | Morecambe | bbc | cbc | 31 | 48 | - | - | 8.6 | 8.1 |
| 9 | Ilkley | c | c | 31 | 46 | - | - | 1.9 | 7.6 |
| | Harrogate | c | c | 33 | 44 | - | - | 0.4 | 8.9 |
| 10 | Berwick-on-T. | c | bc | 39 | 46 | - | - | 4.5 | 5.5 |
| 11 | Dunbar | bc | bc | 38 | 46 | - | - | 6.3 | 5.5 |
| 12 | Troon | bcbbc | bbcb | 32 | 51 | - | - | 10.0 | 8.5 |
| | Douglas | bcw | b | 39 | 46 | - | - | 10.1 | 10.4 |

Max. Temp. for period 21h. yesterday to 17h. to-day: Min. Temp. 21h.-9h.




BAROMETER. Isobars are drawn for intervals of two millibars.
WIND, WEATHER SYMBOLS. For explanation see opposite page.
SEA DISTURBANCE ~~ Rough. ≈≈ High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

| Districts. | FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 10th April, 1938 |
|---|---|
| 1 S.E. England | Light easterly or variable wind; fine; rather cold, frost at night |
| 2 E. England ... | Light variable winds; bright periods; rather cold, frost locally at night |
| 3 E. Midlands ... | As 1. |
| 4 W. Midlands ... | |
| 5 S.W. England | Moderate to fresh east to southeast winds; fair; rather cold, frost at night. |
| 6 South Wales ... | |
| 7 North Wales ... | Light variable or southerly wind; fine; average day temperature, frost at night. |
| 8 N.W. England | |
| 9 N. Midlands ... | |
| 10 N.E. England | As 2. |
| 11 S.E. Scotland | Light to moderate southerly wind; fair; average day temperature, frost at night. |
| 12 S.W. Scotland & Isle of Man. | |
| 13 A. W. Scotland. B. N.W. Scotland. | |
| 14 Mid Scotland | |
| 15 N. E. Scotland | |
| 16 Orkney and Shetland | |
| 17 N. W. Ireland | Moderate to fresh southeast to south wind; fair; average day temperature, frost locally at night. |
| 18 N. E. Ireland | |
| 19 S. E. Ireland | |
| 20 S. W. Ireland | |

H.M. Stationery Office Press, Kingsway, W.C.2

## GENERAL INFERENCE.

An anticyclone covering the British Isles is moving slowly southeastwards and increasing in intensity. Weather will be fair, with day temperatures mostly below average, with frosts at night.

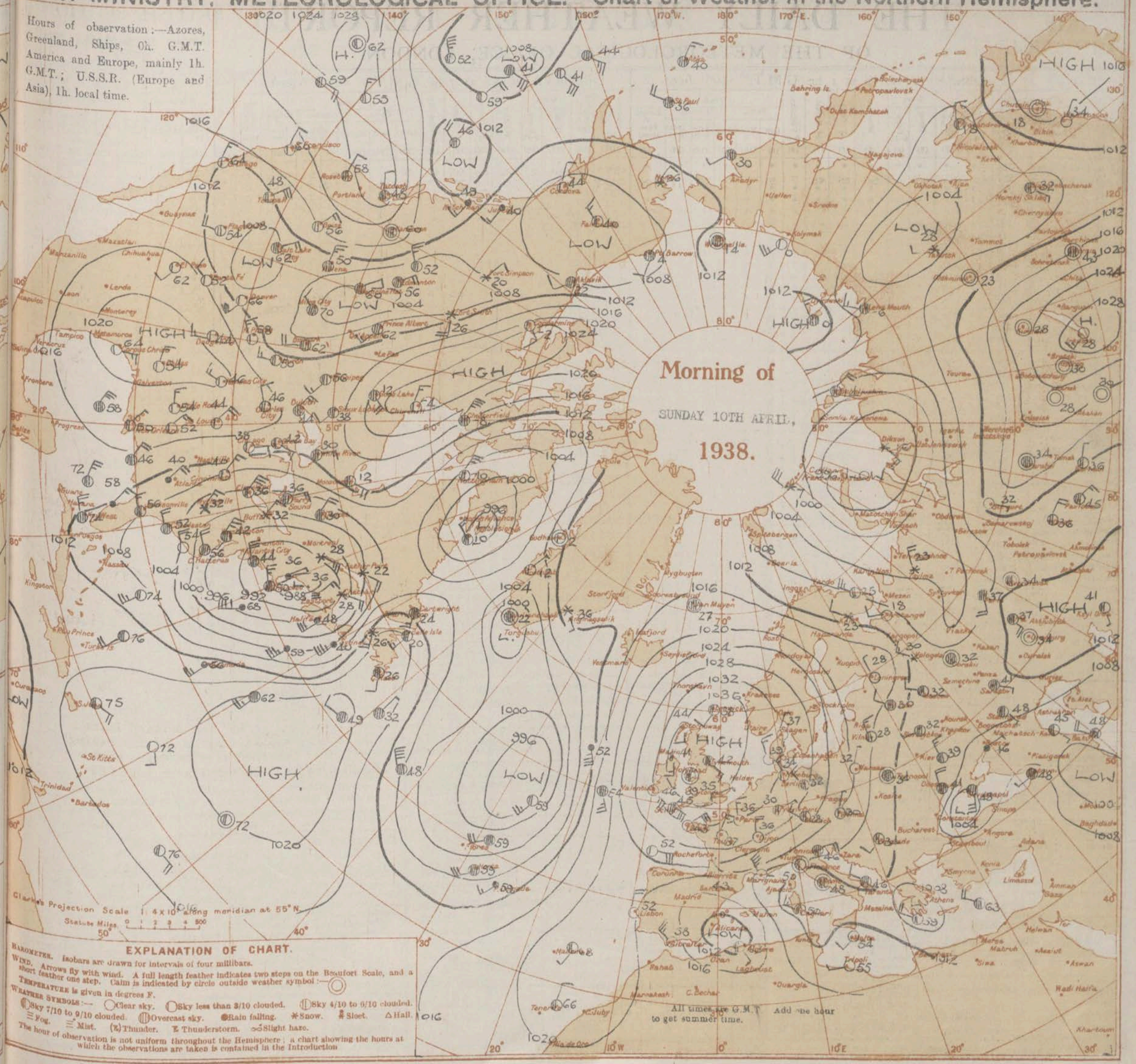
## FURTHER OUTLOOK.

Continuing fair.

Forecasts issued at 1030 G.M.T.

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S.,
Director.

# AIR MINISTRY. METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.




## EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. Calm is indicated by circle outside weather symbol :—

TEMPERATURE is given in degrees F.

WEATHER SYMBOLS :— Clear sky. Sky less than 3/10 clouded. Sky 4/10 to 6/10 clouded. Sky 7/10 to 9/10 clouded. Overcast sky. Rain falling. Snow. Sleet. Hail. Fog. Mist. Thunder. Thunderstorm. Slight haze.

The hour of observation is not uniform throughout the Hemisphere; a chart showing the hours at which the observations are taken is contained in the Introduction

AIR MINISTRY.

# THE DAILY WEATHER REPORT

## OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Sunday 10th April, 1938

No. 27898

### OBSERVATIONS at 1 hr. G.M.T. 10th April

| District | Stations | Height above M.S.L. in feet | Barom. at M.S.L. mb. (1) | Change in 3 hours (2) | Wind Direc. (3) | Wind Force 0-12 (4) | Weather (5) | Temp. °F. (6) | Humid. % (7) | Visibility 0-9 (8) | Cloud Form Low (9) | Cloud Form Med. (10) | Cloud Form High (11) | Cloud Amount Low 0-10 (12) | Cloud Amount Total 0-10 (13) | Height of Base (feet) (14) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | London (Kew) | 18 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Croydon ... | 217 | 1036.6 | +10 | NE'E | 1 | bc | 35 | 85 | 7 | 5 | 3 | - | 2-3 | 4-6 | 4000 |
| | S. Farnborough | 226 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Boscombe Down | 417 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Calshot (Sthmtn.) | 8 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Lympne ... | 346 | 1036.5 | +12 | NE | 2 | c/pr | 36 | 75 | 8 | 5 | - | - | 7-8 | 7-8 | 4000 |
| | Manston ... | 142 | 1036.3 | +10 | NE'E | 3 | c/pr | 40 | 65 | 8 | 8 | 3 | - | 4-6 | 7-8 | 2500 |
| 2 | Shoeburyness ... | 11 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Felixstowe ... | 15 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Gorleston ... | 5 | 1036.7 | +10 | NNE | 3 | bc | 42 | 75 | 8 | 2 | - | - | 4.6 | 4.6 | 4000 |
| | Mildenhall ... | 19 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Cranwell ... | 240 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 3 | Birmingham ... | 535 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Upper Heyford | 408 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 4 | Ross-on-Wye | 223 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 5 | Bristol ... | 209 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Portland Bill ... | 32 | 1031.9 | +10 | ENE | 3 | c | 43 | 65 | 7 | 4 | - | - | 10 | 10 | 2500 |
| | Plymouth ... | 82 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | The Lizard ... | 240 | 1033.0 | +4 | E | 6 | c | 45 | 65 | 8 | 8 | 6 | - | 7-8 | 9 | 2500 |
| | Scilly (St. Mary's) | 163 | 1032.9 | +6 | ESE | 6 | c | 45 | 65 | 7 | 5 | - | - | 7-8 | 7-8 | 2500 |
| | Guernsey .. | 175 | 1034.4 | +6 | ENE | 4 | c | 44 | 55 | 9 | 8 | - | - | 10 | 10 | 2500 |
| 6 | Pembroke ... | 142 | 1036.2 | +10 | E | 4 | bc | 43 | 75 | 7 | 5 | 8 | - | 2-3 | 4-6 | 2500 |
| 7 | Holyhead ... | 26 | 1036.0 | +12 | - | 0 | c | 39 | 85 | 7 | - | - | 8 | 0 | 9+ | - |
| | Chester (Sealand) | 16 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 8 | Manchester ... | 70 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 10 | Spurn Head ... | 29 | 1037.9 | +10 | NE'N | 2 | c | 42 | 75 | 8 | 5 | - | - | 10 | 10 | 1500 |
| | Catterick ... | 175 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Tynemouth ... | 108 | 1038.6 | +8 | SE | 3 | o | 42 | 85 | 8 | 5 | - | - | 10 | 10 | 1500 |
| 11 | St Abbs Head .. | 280 | 1038.1 | 0 | SW | 2 | bc | 36 | 75 | 9 | - | 4 | - | 0 | 2-3 | - |
| | Leuchars ... | 36 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 12 | Renfrew (Abbots L.) | 19 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Eskdalemuir ... | 794 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Point of Ayre... | 30 | 1037.2 | +12 | SSE | 4 | b | 42 | 75 | 7 | - | - | - | 0 | 0 | - |
| 13A | Tiree ... | 22 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 13B | Stornoway ... | 80 | 1035.7 | +2 | SSE | 2 | b | 44 | 75 | 8 | - | - | - | 0 | 0 | - |
| 15 | Dalwhinnie ... | 1173 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Aberdeen ... | 79 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Wick ... | 81 | 1037.3 | +4 | S | 3 | b | 42 | 85 | 9 | 7 | - | - | 1 | 1 | 2500 |
| 16 | Lerwick ... | 156 | 1037.7 | +4 | SSW | 2 | bc | 38 | 85 | 8 | 5 | - | - | 2-3 | 2-3 | 1500 |
| 17 | Blacksod Point | 18 | 1032.0 | +10 | SE | 5 | b | 47 | 92 | 7 | - | - | - | 0 | 0 | - |
| 18 | Malin Head ... | 84 | 1034.5 | +10 | S'E | 3 | bc | 41 | 85 | 7 | 4 | 4 | 5 | 2-3 | 4-6 | 2500 |
| | Aldergrove ... | 268 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 19 | Birr Castle ... | 173 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 20 | Valentia Obsy. † | 30 | 1030.6 | 0 | SE | 5 | b | 46 | 97 | 8 | - | - | - | 0 | 0 | - |
| | Roches Point | 22 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |

### OBSERVATIONS at 7 hr. G.M.T. 10th April

| Stations | Barom. at M.S.L. mb. (15) | Change in 3 hours (16) | Wind Direc. (17) | Wind Force 0-12 (18) | Weather (19) | Temp. °F. (20) | Humid. % (21) | Visibility 0-9 (22) | Cloud Form Low (23) | Cloud Form Med. (24) | Cloud Form High (25) | Cloud Amount Low 0-10 (26) | Cloud Amount Total 0-10 (27) | Height of Base (feet) (28) | State of Ground 0-9 (29) | Sea 0-9 (30) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| London (Kew) | 1039.7 | +16 | NNE | 2 | $z_o$ | 40 | 65 | 6 | 5 | - | - | 9 | 9 | 4000 | 0 | * |
| Croydon ... | 1038.7 | +10 | ENE | 2 | c | 40 | 75 | 7 | 5 | 4 | - | 7-8 | 9 | 5700 | 0 | * |
| S. Farnborough | 1039.3 | +18 | ENE | 2 | c | 35 | 85 | 7 | 5 | - | - | 9 | 9 | 4000 | 0 | * |
| Boscombe Down | 1039.7 | +16 | NE'E | 3 | c | 36 | 75 | 8 | - | 3 | - | 0 | 7-8 | - | 0 | * |
| Calshot (Sthmtn.) | 1038.6 | +12 | NNE | 3 | $z_o$ | 39 | 75 | 6 | 5 | 4 | - | Tr | 1 | 5700 | 0 | §2 |
| Lympne ... | 1039.1 | +18 | NNE | 2 | bc | 36 | 65 | 9 | 5 | - | - | 2-3 | 2-3 | 4000 | 0 | §2 |
| Manston ... | 1038.7 | +18 | E | 2 | c | 42 | 55 | 9 | 5 | - | - | 7-8 | 7-8 | 4000 | 0 | * |
| Shoeburyness ... | 1039.2 | +16 | N'E | 2 | bc | 38 | 85 | 8 | 5 | - | - | 4.6 | 4.6 | 4000 | 0 | * |
| Felixstowe ... | 1039.2 | +20 | N'E | 2 | bc | 38 | 75 | 8 | 7 | - | - | 4.6 | 4.6 | 4000 | 1 | 1 |
| Gorleston ... | 1040.3 | +22 | NE'N | 3 | bc | 43 | 65 | 7 | 2 | - | - | 4-6 | 4-6 | 4000 | 0 | 2 |
| Mildenhall ... | 1039.7 | +18 | NE | 1 | bc | 37 | 85 | 8 | 5 | - | - | 2.3 | 2-3 | 5700 | 0 | * |
| Cranwell ... | 1040.3 | +18 | N'E | 1 | c | 39 | 85 | 8 | 5 | - | - | 10 | 10 | 4000 | 0 | * |
| Birmingham ... | 1040.1 | +10 | E | 2 | c | 39 | 55 | 7 | 5 | - | 1 | 7-8 | 7-8 | 5700 | 0 | * |
| Upper Heyford | 1039.9 | +18 | NE | 2 | c | 37 | 75 | 7 | 5 | - | - | 9 | 9 | 4000 | 0 | * |
| Ross-on-Wye | 1039.7 | +14 | - | 0 | b | 34 | 75 | 7 | 5 | - | 1 | Tr | Tr | 4000 | 0 | * |
| Bristol ... | 1039.9 | +20 | E'N | 2 | $z_o$ | 36 | 85 | 7 | - | 3 | - | 0 | 1 | - | 0 | * |
| Portland Bill ... | 1037.9 | +14 | ENE | 3 | bc | 42 | 65 | 7 | 4 | - | - | 4-6 | 4-6 | 2500 | 0 | 3 |
| Plymouth ... | 1037.3 | +14 | E | 2 | c | 42 | 75 | 8 | 5 | - | - | 9+ | 9+ | 2500 | 0 | 0 |
| The Lizard ... | 1036.1 | +18 | E | 5 | c | 44 | 65 | 8 | 4 | 7 | - | 9 | 10 | 2500 | 0 | 3 |
| Scilly (St. Mary's) | 1035.2 | +14 | ESE | 5 | c | 45 | 65 | 8 | 5 | - | - | 9+ | 9+ | 2500 | 0 | 3 |
| Guernsey .. | 1036.4 | +16 | E | 3 | c | 43 | 75 | 9 | 8 | - | - | 9 | 9 | 2500 | 0 | 3 |
| Pembroke ... | 1038.5 | +12 | E'N | 4 | bc | 40 | 85 | 8 | 7 | 4 | - | 2-3 | 2-3 | 2500 | 0 | 2 |
| Holyhead ... | 1039.0 | +12 | S'E | 2 | b | 38 | 75 | 7 | - | - | 9 | 0 | 1 | - | 0 | 1 |
| Chester (Sealand) | 1040.6 | +14 | SE | 1 | m | 29 | 85 | 4 | - | 3 | - | 0 | Tr | - | 0 | * |
| Manchester ... | 1040.8 | +22 | - | 0 | m | 33 | 85 | 4 | - | 3 | - | 0 | 2-3 | - | 3 | * |
| Spurn Head ... | 1040.3 | +14 | SE | 1 | pr | 41 | 85 | 8 | 5 | - | - | 9+ | 9+ | 1500 | 1 | 1 |
| Catterick ... | 1041.1 | +14 | - | 0 | c | 37 | 75 | 8 | 5 | - | - | 9 | 9 | 4000 | 0 | x |
| Tynemouth ... | 1040.5 | +16 | SE | 2 | c | 42 | 65 | 8 | 5 | - | - | 9+ | 9+ | 1500 | 0 | 2 |
| St Abbs Head .. | 1040.5 | +16 | WSW | 2 | bc | 38 | 65 | 9 | 4 | 4 | - | 2-3 | 4-6 | 4000 | 0 | 2 |
| Leuchars ... | 1040.7 | +16 | W | 1 | $z_o$ | 30 | 92 | 6 | - | - | - | 0 | 0 | - | 0 | * |
| Renfrew (Abbots L.) | 1040.4 | +18 | - | 0 | $z_o$ | 28 | 92 | 5 | - | - | - | 0 | 0 | - | 0 | * |
| Eskdalemuir ... | 1041.6 | +8 | - | 0 | b | 25 | 92 | 7 | - | - | - | 0 | 0 | - | 3 | * |
| Point of Ayre... | 1039.6 | +14 | S | 4 | b | 42 | 75 | 7 | - | - | - | 0 | 0 | - | 0 | 3 |
| Tiree ... | 1036.9 | +8 | SE'E | 4 | c | 44 | 85 | 8 | 5 | - | - | 7-8 | 7-8 | 2500 | 0 | 3 |
| Stornoway ... | 1037.2 | +4 | SSW | 5 | b | 43 | 75 | 6 | - | - | - | 0 | 0 | - | 1 | 3 |
| Dalwhinnie ... | 1040.6 | +14 | - | 0 | b | 28 | 85 | 8 | - | - | - | 0 | 0 | - | 5 | * |
| Aberdeen ... | 1039.6 | +16 | SWS | 1 | b | 37 | 65 | 7 | - | - | 1 | 0 | Tr | - | 0 | 1 |
| Wick ... | 1038.4 | +8 | S | 2 | b | 38 | 92 | 8 | 7 | - | - | 1 | 1 | 2500 | 1 | 1 |
| Lerwick ... | 1039.0 | +10 | SSW | 2 | bc | 40 | 85 | 8 | 5 | - | - | 2-3 | 2-3 | 1500 | 0 | * |
| Blacksod Point | 1033.2 | +8 | SE | 4 | b | 45 | 75 | 7 | - | - | - | 0 | 0 | - | 0 | 2 |
| Malin Head ... | 1036.6 | +8 | SSE | 5 | bc | 41 | 85 | 6 | 5 | - | - | 2-3 | 2-3 | 2500 | 0 | 1 |
| Aldergrove ... | 1038.3 | +12 | SE | 3 | $z_o$ | 40 | 85 | 6 | - | - | - | 0 | 0 | - | 0 | * |
| Birr Castle ... | 1036.0 | +12 | SE | 2 | b | 40 | 85 | 7 | - | - | - | 0 | 0 | - | 0 | * |
| Valentia Obsy. † | 1033.0 | +6 | SE | 5 | bc | 46 | 65 | 8 | 7 | - | - | 2-3 | 2-3 | 4000 | 0 | 1 |
| Roches Point | 1035.6 | + | SE | 4 | bc | 47 | 85 | 8 | 5 | - | - | 4-6 | 4.6 | 2500 | 0 | 3 |

### PAST 24 HOURS.

| Stations | Temperature Max. Day 7h-18h °F. (31) | Temperature Min. Night 18h-7h °F (32) | Temperature Min. on Grass °F. (33) | Rainfall Day 7h-18h mm. (34) | Rainfall Night 18h-7h mm. (35) | Sunshine 9th Hrs. (36) |
|---|---|---|---|---|---|---|
| London (Kew) | 47 | 36 | 30 | - | - | 0.6 |
| Croydon ... | 47 | 34 | 27 | - | - | 0.1 |
| S. Farnborough | 48 | 32 | 24 | - | - | 3.1 |
| Boscombe Down | 48 | 30 | 26 | - | - | 7.5 |
| Calshot (Sthmtn.) | 50 | 36 | 33 | - | - | 5.4 |
| Lympne ... | 44 | 28 | 27 | 0.1 | Tr | 0.7 |
| Manston ... | 46 | 33 | 26 | Tr | Tr | 1.4 |
| Shoeburyness ... | 47 | 33 | 26 | Tr | - | 0.2 |
| Felixstowe ... | 46 | 30 | 25 | Tr | 0.2 | 0.1 |
| Gorleston ... | 47 | 40 | 39 | 0.1 | Tr | 0.6 |
| Mildenhall ... | 47 | 32 | 26 | - | - | 0.3 |
| Cranwell ... | 46 | 38 | 31 | Tr | - | 0.1 |
| Birmingham ... | 46 | 37 | 30 | - | - | 5.4 |
| Upper Heyford | 47 | 32 | 24 | - | - | * |
| Ross-on-Wye | 49 | 32 | 21 | - | - | 11.2 |
| Bristol ... | 50 | 28 | 23 | - | - | 11.5 |
| Portland Bill ... | 49 | 41 | * | - | - | * |
| Plymouth ... | 50 | 38 | 29 | - | | 11.2 |
| The Lizard ... | 50 | 43 | * | - | - | 8.9 |
| Scilly (St. Mary's) | 52 | 43 | * | - | - | 11.2 |
| Guernsey .. | 49 | 43 | 39 | - | - | 11.9 |
| Pembroke ... | 49 | 38 | * | - | - | 8.8 |
| Holyhead ... | 49 | 36 | 27 | - | - | 7.3 |
| Chester (Sealand) | 51 | 25 | 19 | - | - | 5.7 |
| Manchester ... | 47 | 25 | 19 | - | - | 5.5 |
| Spurn Head ... | 47 | 40 | * | Tr | 0.1 | 0.8 |
| Catterick ... | 44 | 34 | 30 | - | - | 0.2 |
| Tynemouth ... | 44 | 42 | 38 | - | - | 1.9 |
| St Abbs Head .. | 44 | 35 | * | - | - | * |
| Leuchars ... | 47 | 25 | 13 | - | - | 8.2 |
| Renfrew (Abbots L.) | 50 | 26 | 21 | - | - | 10.3 |
| Eskdalemuir ... | 46 | 21 | 17 | - | - | 6.4 |
| Point of Ayre... | 49 | 40 | * | - | - | 9.2 |
| Tiree ... | 48 | 40 | 39 | - | - | 11.9 |
| Stornoway ... | 47 | 42 | * | - | - | 12.3 |
| Dalwhinnie ... | 49 | 24 | 13 | - | - | 10.3 |
| Aberdeen ... | 47 | 33 | 24 | - | - | 8.5 |
| Wick ... | 48 | 34 | * | - | - | * |
| Lerwick ... | 45 | 37 | * | - | - | 2.1 |
| Blacksod Point | 59 | 42 | * | - | - | * |
| Malin Head ... | 50 | 40 | * | - | - | 10.6 |
| Aldergrove ... | 50 | 38 | 34 | - | - | 10.6 |
| Birr Castle ... | 57 | 34 | * | - | - | 9.1 |
| Valentia Obsy. † | 60 | 45 | 40 | - | - | 10.4 |
| Roches Point | 53 | 47 | * | - | - | * |

### LONDON OBSERVATIONS

Day 7h—18h, Kew & Croydon. 9h—18h, Kensington. 9h—21h, other stations except for rainfall which is 9h—18h.

| | Height above M.S.L. in feet | Weather Morning (24 hrs. ended 9h.) | Weather Afternoon (24 hrs. ended 9h.) | Weather Night (24 hrs. ended 9h.) | Temperature Day Max. °F. | Temperature Night Min. °F. | Temperature Min. on Grass °F. | Rainfall Day mm. | Rainfall Night mm. | Sunshine to Sunset hrs. (Yesterday) | Humidity 15h. G.M.T. % (Yesterday) | Humidity 9h. G.M.T. % (To-day) | Visibility 9h. (To-day) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kew ... | 18 | cz y | cz y | cz y bc | 47 | 36 | 30 | - | - | 0.6 | * | * | 6 |
| Croydon ... | 217 | cm cz y | cz y | c y bc bv bc | 47 | 34 | 27 | - | - | 0.1 | * | * | 7 |
| Greenwich (Royal Observatory) ... | 142 | | | | 46 | 37 | 28 | - | - | 0.1 | 54 | 45 | 7 |
| City (Bushill Row) ... | — | * | * | * | * | * | * | * | * | 0.2 | * | * | * |
| Westminster (St. James' Park) ... | 27 | * | * | * | 48 | 39 | 33 | — | | 0.3 | 21 | 54 | * |
| Kew Pk. (Botanic Gardens)‡ ... | 168 | * | * | * | 48 | 36 | 30 | - | - | 0.2 | 69 | 62 | * |
| Camden Square ... | 110 | c | c | * | 48 | 36 | 28 | - | - | * | * | 45 | * |
| Kensington ... | 80 | cbcc | c | * | 47 | 38 | 28 | - | - | 5.0 | At 18h. 45 | 52 | * |
| Hampstead Observatory ... | 450 | | | | | | | | | 0.4 | * | | * |

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre. 24 hrs. ended 7h. G.M.T. 10th

| South Kensington Max. | Time. | Min. | Time. |
|---|---|---|---|
| 40 | 3 | whole period | |

| Kew Observatory Max. | Time. | Min. | Time. |
|---|---|---|---|
| 0.1 | 20h 9th | 0.1 | 13h 9th |

### FOREIGN OBSERVATIONS.

| Stations | 18h. G.M.T. 9th April Barom. mb. | Wind Direc. | Wind Force. | Weather. | Temp. °F. | 7h. G.M.T. 10th April Barom. mb. | Wind Direc. | Wind Force. | Weather. | Temp. °F. | Past 24 Hours Max. Day °F. | Min. Night °F. | Rainfall Day mm. | Rainfall Night mm. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Paris ... | 1028.9 | NNE | 4 | c | 46 | 1035.9 | N | 3 | b | 34 | 46 | 30 | - | - |
| Brussels ... | 1029.4 | N | 3 | bc | 43 | | | | | | 46 | | 0.1 | |
| Berlin ... | 1022.1 | NNE | 5 | phr | 36 | 1032.4 | NNW | 3 | bc | 36 | 45 | 30 | 1 | 0.4 |
| Zurich ... | 1021.8 | N | 2 | bc | 43 | 1027.8 | NNW | 2 | 15 | 30 | 54 | 28 | - | 1 |
| Rome ... | 1012.2 | S | 4 | b | 57 | | | | | | * | * | - | |

### EXPLANATION OF FIGURES, LETTERS, etc.

**COLUMNS 2, 16.** The barometric tendency is expressed in tenths of a millibar.

**COLUMNS 4, 18.** The Beaufort Scale of Wind is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers is the speed at about 30 feet above the ground.

| Beaufort No | Statute m/h. | Beaufort No. | Statute m/h. | Beaufort No. | Statute m/h. |
|---|---|---|---|---|---|
| 0 | <1 | 4 | 13–18 | 9 | 47–54 |
| 1 | 1–3 | 5 | 19–24 | 10 | 55–63 |
| 2 | 4–7 | 6 | 25–31 | 11 | 64–75 |
| 3 | 8–12 | 7 | 32–38 | 12 | > 75 |
| | | 8 | 39–46 | | |

**COLUMNS 34, 35.** Tr. = rain has fallen, but amount less than 0·1 mm.

**COLUMNS 8, 22 — Code for surface visibility.**

| | | Objects not visible at |
|---|---|---|
| 0 | Dense fog | 55 yards. |
| 1 | Thick fog | 220 ,, |
| 2 | Fog | 550 ,, |
| 3 | Moderate fog | 1,100 ,, |
| 4 | Mist or haze | 1¼ miles. |
| 5 | Poor visibility | 2½ ,, |
| 6 | Moderate ,, | 6½ ,, |
| 7 | Good ,, | 12½ ,, |
| 8 | Very good ,, | 31 ,, |
| 9 | Excellent ,, | beyond 31m. |

**COLUMN 30.—Code for State of Sea.**

| | | | |
|---|---|---|---|
| 0 | Calm. | 5 | Very rough |
| 1 | Smooth. | 6 | High. |
| 2 | Slight. | 7 | Very high. |
| 3 | Moderate. | 8 | Precipitous. |
| 4 | Rough. | 9 | Confused. |

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METEOROLOGICAL OFFICE, AIR MINISTRY, ADASTRAL HOUSE, KINGSWAY, LONDON, W.C.2. GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S., Director.

† 1 hr. observations are from Valentia W/T Station. ‡ Maximum and Minimum Temperatures are for the 24 hours ending 8 h. § Sea disturbance reported from Dungeness.

AIR MINISTRY.

# THE DAILY WEATHER REPORT

## OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Monday 11th April 1938
No. 27899

### OBSERVATIONS at 13h. G.M.T. 10th April

| District | Stations (For heights see p. 4.) | Barom. at M.S.L. mb. (1) | Change in 3 hours. (2) | Wind. Direc. (3) | Wind. Force 0–12 (4) | Weather. (5) | °Temp. °F. (6) | %Humid. (7) | Visibility 0–9 (8) | Cloud. Form. Low (9) | Cloud. Form. Med. (10) | Cloud. Form. High (11) | Cloud. Amount. Low 0–10 (12) | Cloud. Amount. Total 0–10 (13) | Height of Base (feet) (14) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | London (Kew) | 1040.4 | −2 | ESE | 3 | z₀ | 49 | 45 | 6 | 1 | – | – | 1 | 1 | 4000 |
| | Croydon ... | 1040.3 | +4 | E | 3 | bc | 50 | 55 | 7 | 1 | – | – | 2-3 | 2-3 | 4000 |
| | S. Farnborough | 1039.7 | −6 | E | 2 | bc | 52 | 49 | 7 | 1 | – | – | 2-3 | 2-3 | 4000 |
| | Boscombe Down | 1039.8 | −2 | E | 3 | bc | 51 | 49 | 8 | 1 | – | – | 2-3 | 2-3 | 4000 |
| | Calshot (Sthmtn.) | 1040.0 | +2 | ESE | 4 | b | 49 | 65 | 8 | 1 | – | – | 1 | 1 | 4000 |
| | Lympne ... | 1040.9 | +6 | ENE | 4 | bc | 47 | 55 | 9 | 1 | – | – | 4-6 | 4-6 | 4000 |
| | Manston ... | 1041.2 | +6 | ENE | 3 | bc | 47 | 49 | 8 | 4 | – | – | 4-6 | 4-6 | 4000 |
| 2 | Shoeburyness ... | 1041.2 | +4 | ENE | 4 | bc | 47 | 55 | 9 | 7 | – | – | 2-3 | 2-3 | 4000 |
| | Felixstowe ... | 1041.5 | +6 | ENE | 3 | b | 48 | 49 | 9 | 1 | – | – | 1 | 1 | 4000 |
| | Gorleston ... | 1042.2 | +10 | N'E | 3 | bc | 46 | 56 | 7 | 1 | – | – | 4-6 | 4-6 | 4000 |
| | Mildenhall ... | 1040.7 | −4 | NNE | 1 | bc | 50 | 45 | 9 | 1 | – | – | 4-6 | 4-6 | 4000 |
| | Cranwell ... | 1041.6 | −2 | NNE | 3 | c | 48 | 55 | 9 | 5 | – | – | 9 | 9 | 4000 |
| 3 | Birmingham ... | 1041.0 | 0 | ESE | 2 | bc | 47 | 45 | 6 | 7 | – | – | 4-6 | 4-6 | 5700 |
| | Upper Heyford | 1040.7 | 0 | ENE | 2 | bc | 48 | 45 | 8 | 7 | – | – | 4-6 | 4-6 | 4000 |
| 4 | Ross-on-Wye | 1040.1 | 0 | E | 3 | b | 50 | 45 | 8 | 1 | – | 1 | 1 | 1 | 5700 |
| 5 | Bristol ... | 1040.3 | −2 | SE'E | 3 | bc | 50 | 55 | 8 | 1 | – | – | 4-6 | 4-6 | 4000 |
| | Portland Bill ... | 1039.5 | +6 | ESE | 4 | bc | 47 | 55 | 8 | 2 | – | – | 4-6 | 4-6 | 2500 |
| | Plymouth ... | 1039.0 | +4 | E'S | 3 | c | 47 | 65 | 8 | 5 | – | – | 9+ | 9+ | 2500 |
| | The Lizard ... | 1037.9 | +6 | E | 5 | c | 47 | 75 | 8 | 8 | 6 | – | 7-8 | 7-8 | 2500 |
| | Scilly (St. Mary's) | 1037.3 | +10 | ESE | 5 | c | 48 | 65 | 8 | 8 | 7 | – | 4-6 | 9 | 2500 |
| | Guernsey ... | 1037.8 | +2 | E | 3 | bc | 49 | 55 | 9 | 1 | – | – | 2-3 | 2-3 | 2500 |
| 6 | Pembroke ... | | | | | | | | | | | | | | |
| 7 | Holyhead ... | 1040.3 | +6 | SW'W | 3 | c | 49 | 55 | 8 | 7 | – | – | 9 | 9 | 4000 |
| | Chester (Sealand) | 1041.3 | 0 | SE | 2 | bc | 52 | 45 | 8 | 7 | – | – | 4-6 | 4-6 | 4000 |
| 8 | Manchester ... | 1041.3 | −2 | SSE | 2 | b | 50 | 45 | 7 | 1 | – | – | 1 | 1 | 5700 |
| 10 | Spurn Head ... | 1041.9 | +8 | ENE | 3 | c | 48 | 55 | 8 | 5 | – | – | 9+ | 9+ | 2500 |
| | Catterick ... | 1041.6 | −2 | SE'S | 2 | bc | 51 | 45 | 8 | 5 | – | – | 2-3 | 2-3 | 7200 |
| | Tynemouth ... | 1042.3 | +4 | E | 3 | bc | 46 | 56 | 8 | 2 | – | – | 2-3 | 2-3 | 1500 |
| 11 | St Abbs Head . | 1041.7 | 0 | SE | 3 | bc | 47 | 55 | 9 | 2 | 6 | 9 | 2-3 | 4-6 | 4000 |
| | Leuchars ... | 1040.7 | −2 | S | 3 | b | 51 | 55 | 7 | – | – | – | 0 | 0 | – |
| 12 | Renfrew (Abbots I.) | 1040.6 | 0 | WNW | 1 | z₀ | 52 | 45 | 6 | 5 | – | – | Tr | Tr | 5700 |
| | Eskdalemuir ... | 1040.8 | 0 | SSE | 1 | b | 47 | 55 | 7 | 1 | – | – | Tr | Tr | 2500 |
| | Point of Ayre... | 1041.3 | +6 | S | 3 | b | 50 | 65 | 7 | – | – | – | 0 | 0 | – |
| 13A | Tiree ... ... | 1038.9 | +6 | SE'S | 4 | b | 51 | 75 | 6 | 1 | – | – | Tr | Tr | 4000 |
| 13B | Stornoway ... | 1038.5 | +4 | SSW | 5 | bc | 51 | 65 | 6 | 1 | 7 | – | 2-3 | 4-6 | 4000 |
| 15 | Dalwhinnie ... | 1039.5 | 0 | SW | 3 | b | 51 | 45 | 8 | – | – | – | 0 | 0 | – |
| | Aberdeen ... | 1040.1 | 0 | S'E | 4 | b | 49 | 55 | 6 | – | – | 1 | 0 | Tr | – |
| | Wick ... | 1039.2 | 0 | S | 2 | bc | 47 | 85 | 8 | 7 | 1 | – | 1 | 2-3 | 2500 |
| 16 | Lerwick ... | 1039.0 | −6 | SW | 3 | bc | 47 | 75 | 8 | 1 | – | 2 | 2-3 | 4-6 | 2500 |
| 17 | Blacksod Point | 1038.4 | +10 | SSE | 4 | bc | 55 | 65 | 7 | – | – | 4 | 0 | 4-6 | – |
| 18 | Malin Head ... | 1038.4 | +6 | SSE | 3 | bc | 54 | 75 | 7 | 1 | – | – | 4-6 | 4-6 | 4000 |
| | Aldergrove ... | 1039.6 | +6 | SSE | 3 | c | 50 | 65 | 7 | 5 | – | – | 7-8 | 7-8 | 2500 |
| 19 | Birr Castle ... | 1037.2 | +2 | SSE | 3 | b | 53 | 55 | 7 | – | – | – | 0 | 0 | – |
| 20 | Valentia Obsy. † | 1035.5 | +10 | SE'S | 5 | bc | 51 | 55 | 8 | 7 | – | – | 4-6 | 4-6 | 2500 |
| | Roches Point | 1038.2 | * | SSE | 4 | c | 49 | 75 | 8 | 5 | – | – | 7-8 | 7-8 | 2500 |

### OBSERVATIONS at 18h. G.M.T. 10th April

| District | Stations | Barom. at M.S.L. mb. (15) | Change in 3 hours. (16) | Wind. Direc. (17) | Wind. Force 0–12 (18) | Weather. (19) | °Temp. °F. (20) | %Humid. (21) | Visibility 0–9 (22) | Cloud. Form. Low. (23) | Cloud. Form. Med. (24) | Cloud. Form. High. (25) | Cloud. Amount. Low 0–10 (26) | Cloud. Amount. Total 0–10 (27) | Height of Base (feet) (28) | State of Ground. 0–9 (29) | Sea. 0–9 (30) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | London (Kew) | 1040.5 | +6 | ESE | 3 | z₀ | 47 | 45 | 5 | – | – | – | 0 | 0 | – | 0 | * |
| | Croydon ... | 1040.5 | +8 | E | 3 | b | 46 | 50 | 7 | – | – | – | 0 | 0 | – | 0 | * |
| | S. Farnborough | 1040.3 | +6 | E | 2 | b | 49 | 45 | 7 | – | – | – | 0 | 0 | – | 0 | * |
| | Boscombe Down | 1039.8 | +4 | S'E | 2 | b | 49 | 55 | 8 | – | – | – | 0 | 0 | – | 0 | * |
| | Calshot (Sthmtn.) | 1040.2 | 0 | E'S | 3 | b | 47 | 65 | 8 | – | – | 5 | 0 | Tr | – | 0 | 2 |
| | Lympne ... | 1041.2 | +6 | NE'N | 4 | b | 42 | 65 | 9 | – | – | – | 0 | 0 | – | 0 | §3 |
| | Manston ... | 1041.1 | +4 | NE'E | 3 | b | 49 | 55 | 8 | – | – | – | 0 | 0 | – | 0 | * |
| 2 | Shoeburyness ... | 1041.2 | +2 | NE | 3 | b | 49 | 65 | 9 | – | – | – | 0 | 0 | – | 0 | * |
| | Felixstowe ... | 1041.6 | +2 | NE'E | 3 | b | 44 | 65 | 10 | – | – | – | 0 | 0 | – | 0 | 2 |
| | Gorleston ... | 1041.7 | 0 | NNE | 3 | b | 49 | 65 | 7 | – | – | – | 0 | 0 | – | 0 | 2 |
| | Mildenhall ... | 1040.7 | +2 | ENE | 3 | b | 48 | 55 | 9 | 4 | – | – | Tr | Tr | 4000 | 0 | * |
| | Cranwell ... | 1041.7 | +2 | E'N | 2 | b | 49 | 56 | 9 | 5 | – | – | Tr | Tr | 4000 | 0 | * |
| 3 | Birmingham ... | 1040.9 | 0 | E | 2 | z₀ | 48 | 49 | 6 | 1 | – | – | Tr | Tr | 5700 | 0 | * |
| | Upper Heyford | 1040.5 | +2 | E | 1 | b | 49 | 45 | 8 | 1 | – | – | Tr | Tr | 4000 | 0 | * |
| 4 | Ross-on-Wye | 1039.9 | 0 | E | 2 | b | 50 | 45 | 8 | – | – | – | 0 | 0 | – | 0 | * |
| 5 | Bristol ... | 1040.0 | 0 | E | 1 | b | 50 | 55 | 8 | – | – | – | 0 | 0 | – | 0 | * |
| | Portland Bill ... | 1039.5 | +4 | E | 3 | b | 49 | 85 | 8 | – | – | – | 0 | 0 | – | 0 | 2 |
| | Plymouth ... | 1039.5 | +6 | SE'E | 3 | b | 46 | 65 | 9 | – | 4 | – | 0 | Tr | – | 0 | 1 |
| | The Lizard ... | 1038.3 | +6 | E'S | 5 | bc | 49 | 65 | 8 | 7 | – | – | 2-3 | 2-3 | 4000 | 0 | 2 |
| | Scilly (St. Mary's) | 1037.7 | +4 | ESE | 5 | b | 46 | 65 | 8 | 1 | – | – | 1 | 1 | 4000 | 0 | 3 |
| | Guernsey ... | 1037.9 | 0 | NE'E | 4 | b | 46 | 65 | 9 | – | – | – | 0 | 0 | – | 0 | 3 |
| 6 | Pembroke ... | 1039.9 | −2 | ENE | 2 | b | 49 | 65 | 8 | – | 1 | – | 0 | Tr | – | 0 | 1 |
| 7 | Holyhead ... | 1040.4 | 0 | N'E | 2 | b | 45 | 75 | 8 | – | – | – | 0 | 0 | – | 0 | 0 |
| | Chester (Sealand) | 1041.0 | +2 | SSE | 2 | b | 50 | 45 | 7 | – | – | – | 0 | 0 | – | 0 | * |
| 8 | Manchester ... | 1041.0 | 0 | SSE | 2 | b | 49 | 55 | 7 | 1 | – | – | Tr | Tr | 5700 | 0 | * |
| 10 | Spurn Head ... | 1042.1 | +2 | E'S | 2 | bc | 44 | 65 | 8 | 4 | – | – | 2-3 | 2-3 | 4000 | 0 | 1 |
| | Catterick ... | 1041.1 | 0 | SSE | 2 | b | 49 | 55 | 8 | – | – | – | 0 | 0 | – | 0 | * |
| | Tynemouth ... | 1041.7 | 0 | SE | 2 | bc | 44 | 65 | 8 | 5 | – | – | 2-3 | 2-3 | 1500 | 0 | 2 |
| 11 | St Abbs Head . | 1040.4 | −2 | SSE | 5 | b | 43 | 65 | 9 | – | – | – | 0 | 0 | – | 0 | 3 |
| | Leuchars ... | 1040.3 | 0 | SE | 2 | b | 47 | 65 | 7 | – | – | – | 0 | 0 | – | 0 | * |
| 12 | Renfrew (Abbots I.) | 1040.5 | +2 | W'S | 2 | z₀ | 49 | 65 | 6 | – | – | – | 0 | 0 | – | 0 | * |
| | Eskdalemuir ... | 1040.6 | 0 | SW | 3 | b | 47 | 55 | 7 | – | – | – | 0 | 0 | – | 0 | * |
| | Point of Ayre... | 1041.2 | −4 | S | 2 | b | 45 | 65 | 8 | – | – | – | 0 | 0 | – | 0 | 1 |
| 13A | Tiree ... ... | 1039.2 | +6 | SE'S | 3 | bc | 48 | 85 | 6 | – | – | 6 | 0 | 2-3 | – | 0 | 2 |
| 13B | Stornoway ... | 1039.3 | +8 | SSW | 3 | bc | 50 | 65 | 7 | 5 | – | 1 | 2-3 | 4-6 | 4000 | 1 | 2 |
| 15 | Dalwhinnie ... | 1039.9 | −2 | SW | 3 | b | 51 | 45 | 8 | – | – | 1 | 0 | Tr | – | 0 | * |
| | Aberdeen ... | 1040.1 | +2 | S'W | 4 | b | 49 | 75 | 6 | – | – | 1 | 0 | Tr | – | 0 | 2 |
| | Wick ... | 1039.4 | +2 | SE | 3 | bc | 46 | 75 | 7 | 5 | 1 | 1 | 2-3 | 4-6 | 1500 | 1 | 1 |
| 16 | Lerwick ... | 1039.9 | +6 | SW | 3 | bc | 45 | 85 | 8 | 5 | – | 2 | 1 | 4-6 | 2500 | 0 | * |
| 17 | Blacksod Point | 1039.9 | 0 | S | 2 | b | 54 | 65 | 7 | – | – | 1 | 0 | Tr | – | 0 | 2 |
| 18 | Malin Head ... | 1038.5 | −2 | SSE | 4 | b | 52 | 75 | 7 | – | – | 2 | 0 | Tr | – | 0 | 1 |
| | Aldergrove ... | 1040.2 | +6 | SE | 4 | b | 46 | 65 | 7 | – | – | – | 0 | 0 | – | 0 | * |
| 19 | Birr Castle ... | 1038.0 | +6 | S | 2 | bc | 50 | 65 | 7 | 5 | – | – | 2-3 | 2-3 | 2500 | 0 | * |
| 20 | Valentia Obsy. † | 1036.7 | +10 | SE | 5 | c | 49 | 65 | 8 | 5 | – | 1 | 9 | 9+ | 4000 | 0 | 1 |
| | Roches Point | 1038.6 | * | SE | 4 | c | 48 | 75 | 8 | 5 | – | – | 7-8 | 7-8 | 2500 | 0 | 3 |

### PAST 24 HOURS.

| District | Stations | Weather. 7h.—13h. ...10th... (37) | Weather. 13h.—18h. ...10th... (38) | Weather. 18h. 10th to 1h. ...11th... (39) | Weather. 1h.—7h. ...11th... (40) |
|---|---|---|---|---|---|
| 1 | London (Kew) | cz₀bz₀y | bz₀y | bz₀ | bmx |
| | Croydon ... | bcby | by | bym₀wx | bm₀mx |
| | S. Farnborough | cbc·by | by | bybm₀x | bm₀x |
| | Boscombe Down | bcyby | by | bxb | bxm₀ |
| | Calshot (Sthmtn.) | bcyb | b | b | bwbm₀ |
| | Lympne ... | bcvy | bcby | bx | bxbc |
| | Manston ... | bcbc | bcby | bybwx | bwxfgbc |
| 2 | Shoeburyness ... | bcyv | bcybv | bvwx | bbcx |
| | Felixstowe ... | bcbvy | bvy | bvy | bxm₀ |
| | Gorleston ... | bcy | bcb | b | bcc z₀ |
| | Mildenhall ... | bcvy | bcyvby | bybx | bxbcbfgx |
| | Cranwell ... | ccy | cybcby | bybx | bx |
| 3 | Birmingham ... | cbc | bcb | b | bxbm |
| | Upper Heyford | cbcy | bcby | bbm₀ | bm₀x |
| 4 | Ross-on-Wye | bbcyby | by | bbm₀ | bm₀x |
| 5 | Bristol ... | bbcy | bcby | byb | bxbcm₀ |
| | Portland Bill ... | bc | bcb | b | b |
| | Plymouth ... | c | cby | bm₀ | bxm₀b |
| | The Lizard ... | c | cbc | bcb | bbc |
| | Scilly (St. Mary's) | c | cbcb | by | bbc |
| | Guernsey ... | cbc | bcb | b | b |
| 6 | Pembroke ... | | bc | b | bxz₀ |
| 7 | Holyhead ... | bcy | cyb | bw | bwxz₀ |
| | Chester (Sealand) | bmz₀xbcy | bcby | byz₀mw | bmm₀wx |
| 8 | Manchester ... | bxmbcb | z₀by | bybm₀x | bxm₀f |
| 10 | Spurn Head ... | c | cbc | b | bbcw |
| | Catterick ... | cbcy | bcby | bybx | bxm₀ |
| | Tynemouth ... | cbc | bc | bcm | bcm₀ |
| 11 | St Abbs Head . | bbcy | b | bm₀b | bm₀ |
| | Leuchars ... | bxbyz₀ | byz₀ | bwx | bxm₀ |
| 12 | Renfrew (Abbots I.) | bxz₀y | z₀byz₀ | bz₀m₀w | bmffx |
| | Eskdalemuir ... | bxby | by | b | bx |
| | Point of Ayre... | b | b | bx | bx |
| 13A | Tiree ... ... | cbz₀ | bz₀ | bz₀ | bw |
| 13B | Stornoway ... | bbc | cbc | bcb | bz₀ |
| 15 | Dalwhinnie ... | c | b | * | b |
| | Aberdeen ... | bz₀y | bz₀y | bz₀x | bz₀x |
| | Wick ... | b | bbc | bc | bc |
| 16 | Lerwick ... | bc | bc | bc | c |
| 17 | Blacksod Point | bc | b | bc | bc |
| 18 | Malin Head ... | bc | bcbz₀bc | bc | b |
| | Aldergrove ... | bm₀c | cbyb | b,xm₀ | bxm₀bx |
| 19 | Birr Castle ... | b | bbc | bcb | b |
| 20 | Valentia Obsy. † | bcbcy | cbyc | cbc | bcb |
| | Roches Point | bcc | cbcc | cbc | bcb |

## EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

### COLUMNS 5, 19, 37, 38, 39, 40—BEAUFORT NOTATION AND SYMBOLS FOR WEATHER.

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog „ less than 220 yds.
fs, low fog over sea (coast station).
fg, low fog over land (inland station).
m, mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jf, fog at a distance, but not at station.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/s₀, slight storm of drifting snow (generally low).
k/S, heavy storm of drifting snow (generally low).
s₀/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze: the turbid atmosphere of dry weather.
h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus R, heavy rain. r₀, slight rain. rr, continuous rain.
<, less than (for cloud height).
⊕, Solar halo. ☽ lunar halo. ✗ gale.
With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions thus:—bc/r, fair weather after rain; —, has decreased; +, has increased.

### COLUMNS 9, 23.—FORM OF LOW CLOUD.

0 No low clouds.
1 Fair weather Cu.
2 Large Cu without anvil.
3 Cb.
4 Sc formed by the spreading out of Cu.
5 Layer of St or Sc.
6 Ragged low clouds of bad weather (or fractonimbus).
7 Fair weather Cu. and Sc.
8 Large-Cu (or Cb) and Sc.
9 Large-Cu (or Cb) and ragged low clouds of bad weather.

### COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4–6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries.
"tr" signifies a small amount of cloud (trace) covering less than 1/20 of the sky.
"9+" signifies an overcast sky with a few small openings.

### COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

0 No medium clouds.
1 Typical As (thin).
2 Typical As (thick) (sun or moon invisible), or Nimbostratus (Ns).
3 Single layer of Ac or high Sc.
4 Ac in isolated patches. Individually decreasing (often lenticular).
5 Ac in bands (increasing).
6 Ac formed from the spreading out of Cu.
7 Ac associated with As or As with parts resembling Ac.
8 Ac Castellatus (or Ac in ragged fragments).
9 Ac in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

### COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

0 No cirriform cloud.
1 Fine Ci not increasing: sparse.
2 Fine Ci not increasing: abundant but not a continuous layer.
3 Anvil Ci (usually dense).
4 Fine Ci increasing: usually in tufts.
5 Ci or Cs increasing: still below 45° altitude: often in polar bands.
6 Ci or Cs increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Cs covering whole sky.
8 Cs not increasing and not covering whole sky.
9 Cc predominating, and a little cirrus.
(Cc may occur with any of the types 1 to 8).

Cloud form abbreviations:—
Cirrus,–Ci: Cirrocumulus,–Cc: Cirrostratus,–Cs: Altocumulus,–Ac: Altostratus,–As
Stratocumulus,–Sc: Stratus,–St: Nimbostratus,–Ns: Cumulus,–Cu: Cumulonimbus,–Cb

### COLUMN 29.—STATE OF GROUND.

0 .. Ground dry.
1 .. „ wet.
2 .. „ flooded.
3 .. „ frozen hard and dry.
4 .. „ partly covered with snow or hail.
5 .. „ covered with ice or glazed frost.
6 .. Ground covered with thawing snow.
7 .. „ covered with snow, less than 6 ins., deep but ground not frozen.
8 .. „ covered with snow, less than 6 ins., but ground frozen.
9 .. „ covered with snow greater than 6 ins. deep.

NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

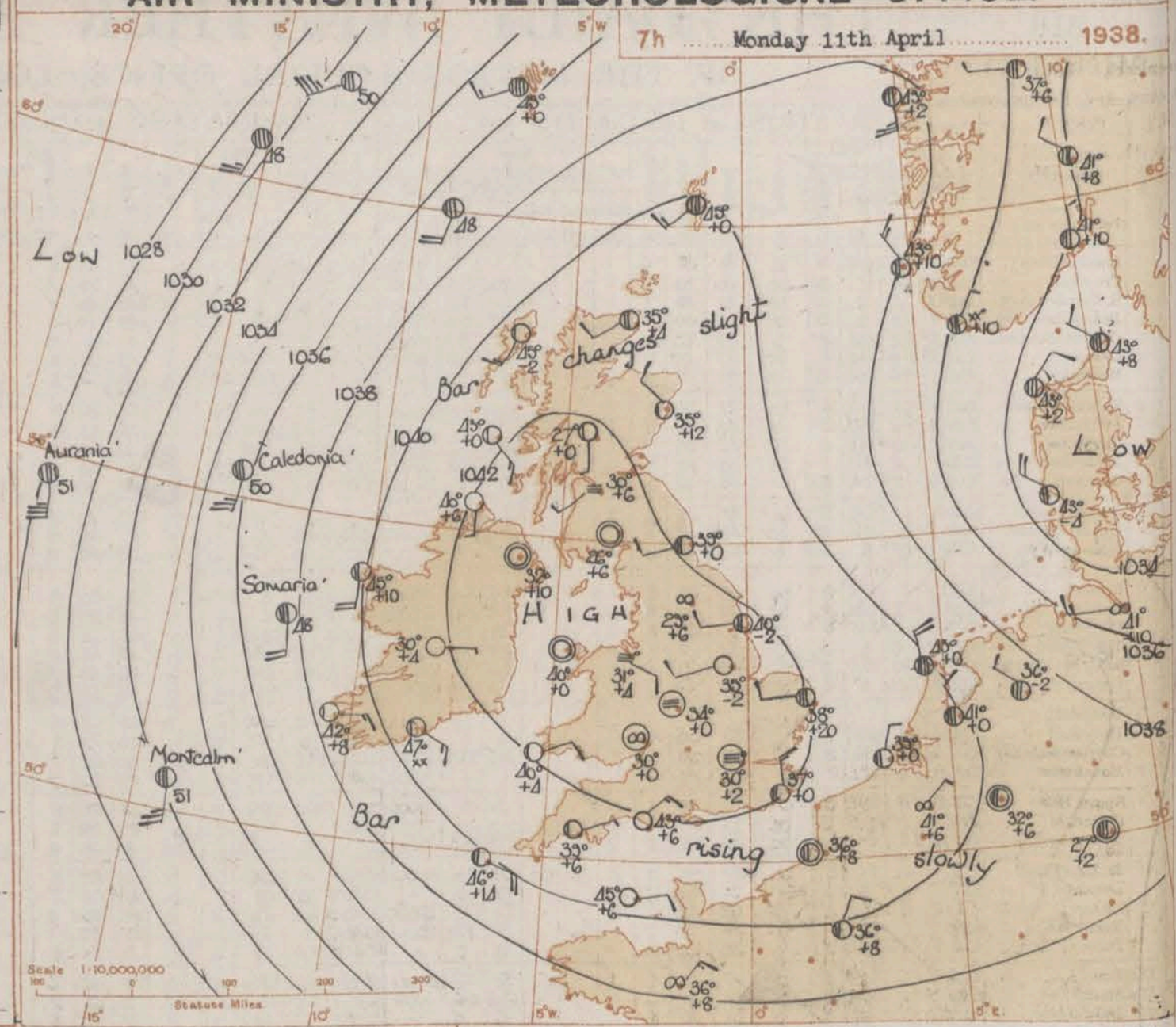
† See disturbance reported from Dungeness.

## REPORTS from HEALTH RESORTS for 10th April 1938.

| Districts. | Stations. | Weather. Forenoon. | Weather. Afternoon. | Temperature. (°F.) Min. 9h. 9th to 9h. 10th | Temperature. (°F.) Max. 9h.—17h. 10th | Rainfall. (mm.) Night. 17h. 9th to 9h. 10th | Rainfall. (mm.) Day. 9h.—17h. 10th | Sunshine. (Hrs.) Sunrise to 17h. 10th | Sunshine. (Hrs.) Sunrise to Sunset. 9th |
|---|---|---|---|---|---|---|---|---|---|
| 1 | Tunbridge W. | bc | bcb | 34 | 51 | – | – | 10.0 | 0.4 |
| | Bournemouth | b | b | 32 | 54 | – | – | 11.0 | 9.7 |
| | Ventnor ... | bbcb | b | 38 | 53 | – | – | 10.2 | 6.3 |
| | Southsea ... | b | b | 37 | 51 | – | – | 9.8 | 4.4 |
| | Bognor Regis | b | b | 36 | 50 | – | – | 10.6 | 3.8 |
| | Littlehampton | bc | bc | 34 | 50 | – | – | 10.9 | 3.2 |
| | Worthing ... | b | b | 36 | 50 | – | – | 10.4 | 3.1 |
| | Brighton ... | b | b | 35 | 53 | – | – | 9.6 | 1.7 |
| | Eastbourne† ... | b | bvy | 35 | 49 | – | – | 10.8 | 1.6 |
| | Hastings† ... | bvbcb | bvbby | 34 | 50 | – | – | 11.1 | 0.3 |
| | Folkestone ... | bvb | b | 37 | 49 | Trace | – | 10.4 | 0.7 |
| | Dover ... | ybc | bcby | 40 | 49 | – | – | 10.1 | 2.8 |
| | Deal ... ... | cbcb | b | 41 | 52 | – | – | 9.2 | 2.3 |
| | Ramsgate ... | bc | bc | 43 | 47 | – | – | 9.6 | 2.5 |
| | Margate ... | bc | bc | 40 | 47 | – | – | 9.2 | 1.9 |
| 2 | Southend ... | cbcb | b | 35 | 49 | – | – | *7.7 | 0.3 |
| | Clacton-on-Sea | bc | bcbv | 34 | 47 | – | – | 10.0 | 0.1 |
| | Dovercourt ... | bcv | bv | 35 | 47 | – | – | 10.7 | 0.0 |
| | Lowestoft ... | b | b | 39 | 49 | – | – | 10.7 | 1.0 |
| | Skegness ... | bvc | b | 39 | 47 | – | – | 4.9 | 2.0 |
| | Mablethorpe... | bcc | bc | 40 | 47 | – | – | 1.1 | 2.6 |
| | Cleethorpes ... | c | bc | 36 | 49 | – | – | 3.9 | 0.2 |
| 3 | Leamington S. | cbc | bc | 36 | 52 | – | – | 6.7 | 3.7 |
| 4 | Cheltenham† | bcb | b | 32 | 53 | – | – | 10.8 | 8.2 |
| 5 | Bath ... ... | b | b | 32 | 53 | – | – | 10.8 | 11.6 |
| | Weymouth ... | b | b | 35 | 50 | – | – | 10.5 | 11.4 |
| | Jersey ... | bc | bcb | 41 | 51 | – | – | 11.2 | 9.7 |
| | Torquay ... | bcyb | bby | 43 | 49 | – | – | 8.2 | 11.8 |
| | Falmouth | c | coybc | 44 | 48 | – | – | 1.9 | 9.1 |
| | Penzance ... | c | cb | 43 | 49 | – | – | 1.7 | 10.4 |
| | St. Ives ... | o | o | 42 | 54 | – | – | 0.0 | 7.5 |
| | Bude... ... | bcb | b | 35 | 52 | – | – | 10.7 | 11.0 |
| | Ilfracombe ... | bbc | bbc | 37 | 49 | – | – | 10.4 | 11.1 |
| 6 | Aberystwyth | xbc | bbc | 33 | 50 | – | – | 10.9 | 9.0 |
| 7 | Llandudno ... | b | b | 33 | 53 | – | – | 10.5 | 7.8 |
| | Colwyn Bay... | b | b | 35 | 54 | – | – | 10.1 | 8.4 |
| | Rhyl ... ... | b | b | 31 | 54 | – | – | 10.6 | 10.2 |
| 8 | Wallasey ... | bz | bz | 36 | 53 | – | – | 10.3 | 6.9 |
| | Southport ... | bc | b | 27 | 53 | – | – | 10.3 | 11.8 |
| | Blackpool ... | bz. | bz. | 27 | 52 | – | – | 10.4 | 10.2 |
| | Morecambe ... | b | b | 31 | 51 | – | – | 11.9 | 8.3 |
| 9 | Ilkley... ... | b | b | 30 | 51 | – | – | 7.5 | 1.9 |
| | Harrogate ... | cb | b | 33 | 50 | – | – | 7.1 | 0.4 |
| 10 | Berwick-on-T. | bc | b | 31 | 47 | – | – | 8.6 | 5.0 |
| 11 | Dunbar ... | bcx | bc | 31 | 51 | – | – | 10.9 | 7.2 |
| 12 | Troon... ... | bbcb | bcb | 33 | 51 | – | – | 9.6 | 10.8 |
| | Douglas ... | b | b | 40 | 47 | – | – | 10.0 | 11.4 |

† Max. Temp. for period 21h. yesterday to 17h. to-day: Min. Temp. 21h.–9h.

# AIR MINISTRY, METEOROLOGICAL OFFICE.




BAROMETER. Isobars are drawn for intervals of two millibars.
WIND, WEATHER SYMBOLS. For explanation see opposite page.
SEA DISTURBANCE. Rough. High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

## FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 11th April, 1938.

| Districts. | Forecasts |
|---|---|
| 1 S.E. England<br>2 E. England ...<br>3 E. Midlands ...<br>4 W. Midlands ...<br>5 S.W. England<br>6 South Wales ...<br>7 North Wales ...<br>8 N.W. England<br>9 N. Midlands ...<br>10 N.E. England<br>11 S.E. Scotland<br>12 S.W. Scotland & Isle of Man | Light to moderate variable winds; fine; local morning mist or fog; rather warm by day, ground frost at night, severe locally. |
| 13 A. W. Scotld. B.N.W.Scotland. | Moderate to strong southerly winds; fair at first, occasional rain later; rather warm by day, slight ground frost inland at night. |
| 14 Mid Scotland | As 1 - 12. |
| 15 N. E. Scotland<br>16 Orkney and Shetland | Moderate southwesterly winds, freshening; fair at first, occasional rain later; average temperature. |
| 17 N. W. Ireland<br>18 N. E. Ireland<br>19 S. E. Ireland<br>20 S. W. Ireland | Moderate southerly winds; mainly fair; rather warm by day, ground frost, severe locally inland at night. |

### GENERAL INFERENCE

An anticyclone covering the British Isles will maintain mainly fine weather. It will be rather warm by day but ground frost will be widespread at night.

### FURTHER OUTLOOK.

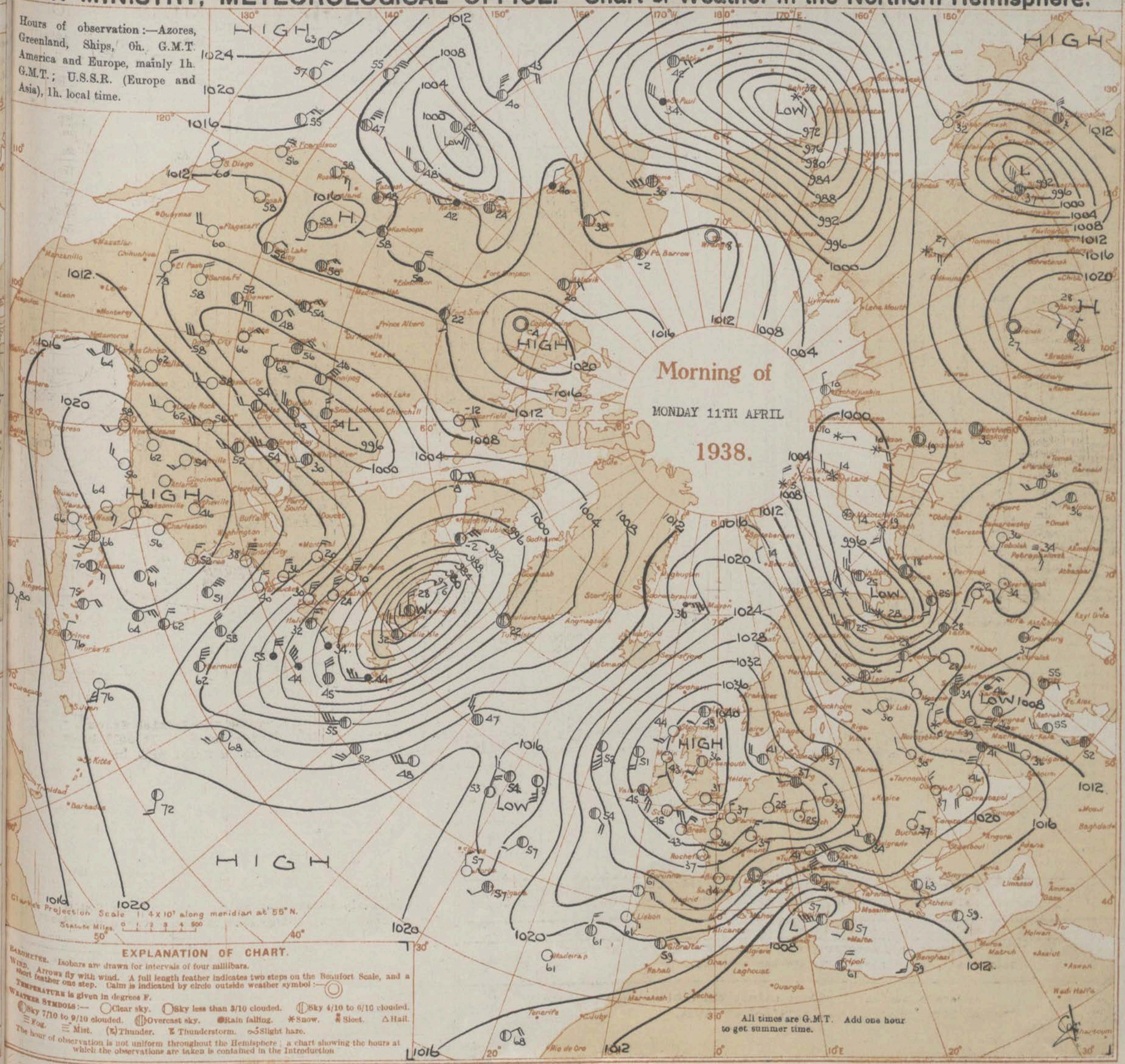
Probably continuing mainly fair in the South for several days; changeable in the extreme Northwest.

Forecasts issued at 0930 G.M.T.

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S.,
Director.

H.M. Stationery Office Press, Kingsway, W.C.2

# AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.




## EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. Calm is indicated by circle outside weather symbol :—

TEMPERATURE is given in degrees F.

WEATHER SYMBOLS :— Clear sky. Sky less than 3/10 clouded. Sky 4/10 to 6/10 clouded. Sky 7/10 to 9/10 clouded. Overcast sky. Rain falling. Snow. Sleet. Hail. Fog. Mist. Thunder. Thunderstorm. Slight haze.

The hour of observation is not uniform throughout the Hemisphere; a chart showing the hours at which the observations are taken is contained in the Introduction

AIR MINISTRY.

# THE DAILY WEATHER REPORT

## OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Monday 11th April 1938
No. 27899

### OBSERVATIONS at 1 hr. G.M.T. 11th April

| District | Stations | Height above M.S.L. in feet. | Barom. at M.S.L. mb. (1) | Change in 3 hours. (2) | Wind. Direc. (3) | Wind. Force 0–12 (4) | Weather (5) | Temp. °F. (6) | Humid. % (7) | Visibility 0–9 (8) | Cloud. Form. Low (9) | Cloud. Form. Med. (10) | Cloud. Form. High (11) | Cloud. Amount. Low 0–10 (12) | Cloud. Amount. Total 0–10 (13) | Height of Base. (feet) (14) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | London (Kew) | 18 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Croydon ... | 217 | 1042·2 | +2 | E'S | 1 | b | 31 | 92 | 6 | - | - | - | 0 | 0 | - |
| | S. Farnborough | 226 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Boscombe Down | 417 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Calshot (Sthmtn.) | 8 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Lympne ... | 346 | 1042·4 | +4 | NE'N | 3 | b | 33 | 85 | 8 | - | - | - | 0 | 0 | - |
| | Manston ... | 142 | 1041·9 | +2 | E'N | 2 | b | 36 | 85 | 8 | - | - | - | 0 | 0 | - |
| 2 | Shoeburyness... | 11 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Felixstowe ... | 15 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Gorleston ... | 5 | 1042·1 | -4 | NNW | 1 | b | 39 | 75 | 7 | - | - | - | 0 | 0 | - |
| | Mildenhall ... | 19 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Cranwell ... | 240 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 3 | Birmingham ... | 535 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Upper Heyford | 408 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 4 | Ross-on-Wye | 223 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 5 | Bristol ... | 209 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Portland Bill ... | 32 | 1040·6 | +6 | ESE | 3 | b | 45 | 75 | 8 | - | - | - | 0 | 0 | - |
| | Plymouth ... | 82 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | The Lizard ... | 240 | 1039·3 | 0 | E | 5 | b | 45 | 75 | 8 | - | - | - | 0 | 0 | - |
| | Scilly (St. Mary's) | 163 | 1038·4 | +2 | ESE | 5 | b | 45 | 55 | 8 | - | - | - | 0 | 0 | - |
| | Guernsey ... | 175 | 1039·6 | +2 | E | 3 | b | 44 | 85 | 9 | - | - | - | 0 | 0 | - |
| 6 | Pembroke ... | 142 | 1041·4 | +4 | NE | 2 | b | 40 | 85 | 8 | - | - | - | 0 | 0 | - |
| 7 | Holyhead ... | 26 | 1041·3 | +6 | - | 0 | b | 43 | 85 | 7 | - | - | - | 0 | 0 | - |
| | Chester (Sealand) | 16 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 8 | Manchester ... | 70 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 10 | Spurn Head ... | 29 | 1042·9 | 0 | SSW | 2 | b | 39 | 85 | 8 | - | - | - | 0 | 0 | - |
| | Catterick ... | 175 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Tynemouth ... | 108 | 1041·8 | -2 | SW | 2 | m | 36 | 85 | 4 | 5 | - | - | 2·3 | 2·3 | 800 |
| 11 | St Abbs Head ... | 280 | 1040·7 | 0 | WNW | 2 | b | 44 | 65 | 6 | - | - | - | 0 | 0 | - |
| | Leuchars ... | 36 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 12 | Renfrew (Abbotsinch) | 19 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Eskdalemuir ... | 794 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Point of Ayre... | 30 | 1042·0 | +2 | - | 0 | b | 37 | 92 | 7 | - | - | - | 0 | 0 | - |
| 13A | Tiree ... | 22 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 13B | Stornoway ... | 80 | 1040·4 | +2 | SSW | 3 | b | 44 | 85 | 6 | - | - | - | 0 | 0 | - |
| 15 | Dalwhinnie ... | 1176 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Aberdeen ... | 79 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Wick ... | 81 | 1041·4 | +4 | NE | 2 | bc | 32 | 92 | 7 | 7 | - | - | 2·3 | 2·3 | 1500 |
| 16 | Lerwick ... | 156 | 1040·8 | +2 | SW | 2 | c | 43 | 92 | 8 | 5 | - | - | 7·8 | 7·8 | 1500 |
| 17 | Blacksod Point | 18 | 1039·0 | +10 | S | 4 | b | 46 | 65 | 7 | - | - | - | 0 | 0 | - |
| 18 | Malin Head ... | 84 | 1040·3 | +8 | S | 2 | b | 43 | 85 | 7 | - | - | - | 0 | 0 | - |
| | Aldergrove ... | 268 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 19 | Birr Castle ... | 173 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 20 | Valentia Obsy. † | 30 | 1038·3 | +6 | SE | 5 | c | 45 | 92 | 8 | 5 | - | - | 7·8 | 7·8 | 1500 |
| | Roches Point | 22 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |

### OBSERVATIONS at 7 hr. G.M.T. 11th April

| Stations | Barom. at M.S.L. mb. (15) | Change in 3 hours. (16) | Wind. Direc. (17) | Wind. Force 0–12 (18) | Weather. (19) | Temp. °F. (20) | Humid. % (21) | Visibility 0–9 (22) | Cloud. Form. Low. (23) | Cloud. Form. Med. (24) | Cloud. Form. High (25) | Cloud. Amount. Low 0–10 (26) | Cloud. Amount. Total 0–10 (27) | Height of Base (feet) (28) | State of Ground. 0–9 (29) | Sea. 0–9 (30) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| London (Kew) | 1042·7 | +4 | - | 0 | ≋ | 34 | 92 | 4 | - | - | 1 | 0 | 2·3 | - | 0 | * |
| Croydon ... | 1042·5 | +2 | - | 0 | ≋ | 30 | 97 | 4 | - | - | 5 | 0 | 2·3 | - | 3 | * |
| S. Farnborough | 1043·0 | 0 | - | 0 | $Z_0$ | 26 | 92 | 5 | - | - | 4 | 0 | 2·3 | - | 0 | * |
| Boscombe Down | 1042·6 | +2 | N | 2 | $Z_0$ | 28 | 97 | 6 | - | - | - | 0 | 0 | - | 0 | * |
| Calshot (Sthmtn.) | 1042·9 | +12 | NW'N | 2 | $Z_0$ | 36 | 85 | 6 | - | 1 | - | 0 | 2·3 | - | 0 | 1 |
| Lympne ... | 1040·2 | 0 | N | 3 | bc | 37 | 85 | 7 | - | - | 1 | 0 | 2·3 | - | 0 | §1 |
| Manston ... | 1041·7 | +2 | NE'N | 1 | bc | 36 | 92 | 6 | 7 | - | 1 | 2·3 | 2·3 | 2500 | 0 | * |
| Shoeburyness... | 1042·3 | +6 | N'W | 3 | bc | 36 | 75 | 7 | 1 | 4 | 2 | Tr | 4·6 | 1500 | 0 | * |
| Felixstowe ... | 1042·3 | +4 | - | 0 | $Z_0$ | 35 | 85 | 6 | - | - | 6 | 0 | 1 | - | 0 | 0 |
| Gorleston ... | 1042·5 | +20 | W | 2 | c | 38 | 75 | 6 | 5 | - | - | 9+ | 9+ | 2500 | 0 | 2 |
| Mildenhall ... | 1042·9 | +6 | - | 0 | $f_g$ | 27 | 92 | 6 | - | - | 2 | 0 | 1 | - | 3 | * |
| Cranwell ... | 1042·4 | -2 | WSW | 2 | b | 35 | 85 | 7 | - | - | - | 0 | 0 | - | 0 | * |
| Birmingham ... | 1042·9 | 0 | - | 0 | bf+ | 34 | 85 | 3 | - | - | - | 0 | 0 | - | 0 | * |
| Upper Heyford | 1042·8 | -2 | - | 0 | $Z_0$ | 32 | 92 | 6 | - | - | 6 | 0 | 1 | - | 0 | * |
| Ross-on-Wye | 1042·7 | 0 | - | 0 | $Z_0$ | 30 | 85 | 6 | - | - | 1 | 0 | 1 | - | 0 | * |
| Bristol ... | 1042·5 | +2 | SE'E | 1 | $Z_0$ | 32 | 92 | 6 | - | 4 | 1 | 0 | 2·3 | - | 0 | * |
| Portland Bill ... | 1041·1 | +6 | NE | 3 | b | 43 | 85 | 8 | - | - | - | 0 | 0 | - | 0 | 2 |
| Plymouth ... | 1041·2 | +6 | ENE | 1 | b | 39 | 85 | 8 | 2 | - | - | Tr | Tr | 2500 | 0 | 1 |
| The Lizard ... | 1040·4 | +10 | E'S | 4 | bc | 45 | 85 | 8 | 7 | - | - | 4·6 | 4·6 | 2500 | 0 | 3 |
| Scilly (St. Mary's) | 1040·0 | +14 | SE | 4 | bc | 46 | 75 | 8 | 1 | - | - | 2·3 | 2·3 | 2500 | 0 | 3 |
| Guernsey ... | 1040·1 | +6 | E'N | 2 | b | 45 | 75 | 8 | - | - | - | 0 | 0 | - | 0 | 3 |
| Pembroke ... | 1042·0 | +4 | NE'E | 2 | b | 40 | 85 | 6 | - | 1 | - | 0 | Tr | - | 0 | 1 |
| Holyhead ... | 1042·1 | 0 | - | 0 | b | 40 | 75 | 5 | - | - | - | 0 | 0 | - | 0 | 0 |
| Chester (Sealand) | 1042·7 | +4 | SE | 2 | m | 31 | 85 | 4 | - | - | - | 0 | 0 | - | 0 | * |
| Manchester ... | 1042·9 | 0 | SE | 1 | bf | 31 | 97 | 3 | - | - | - | 0 | 0 | - | 3 | * |
| Spurn Head ... | 1042·5 | -2 | W'S | 2 | bc | 40 | 85 | 7 | - | - | 8 | 0 | 4·6 | - | 1 | 1 |
| Catterick ... | 1042·7 | +6 | - | 0 | $Z_0$ | 29 | 97 | 6 | - | - | - | 0 | 0 | - | 3 | * |
| Tynemouth ... | 1041·0 | 0 | WSW | 2 | bc | 39 | 65 | 5 | 5 | - | - | 2·3 | 2·3 | 800 | 0 | 1 |
| St Abbs Head ... | 1041·7 | +12 | WNW | 2 | b | 42 | 65 | 6 | - | - | - | 0 | 0 | - | 0 | 2 |
| Leuchars ... | 1041·5 | +8 | WSW | 1 | $Z_0$ | 37 | 92 | 6 | * | - | 1 | 0 | Tr | - | 0 | * |
| Renfrew (Abbotsinch) | 1042·7 | +6 | SW | 1 | bf | 30 | 97 | 3 | - | - | 1 | 0 | Tr | - | 0 | * |
| Eskdalemuir ... | 1044·5 | +6 | - | 0 | b | 26 | 97 | 6 | - | - | - | 0 | 0 | - | 0 | * |
| Point of Ayre... | 1041·9 | 0 | W | 1 | b | 35 | 97 | 7 | - | - | - | 0 | 0 | - | 0 | 0 |
| Tiree ... | 1041·0 | 0 | SSE | 3 | b | 43 | 92 | 7 | - | - | 5 | 0 | Tr | - | 0 | 2 |
| Stornoway ... | 1040·1 | -2 | SSW | 3 | b | 45 | 85 | 6 | 5 | - | - | Tr | Tr | 4000 | 1 | 2 |
| Dalwhinnie ... | * | 0 | S | 1 | b | 27 | 92 | 8 | - | - | 1 | 0 | 1 | - | 5 | * |
| Aberdeen ... | 1041·7 | +12 | NW'N | 2 | b | 35 | 85 | 6 | - | - | 1 | 0 | Tr | - | 0 | 1 |
| Wick ... | 1041·2 | +4 | SW | 2 | bc | 35 | 92 | 7 | 5 | 7 | 8 | 1 | 2·3 | 1500 | 1 | 1 |
| Lerwick ... | 1040·1 | 0 | SW | 3 | c | 45 | 85 | 8 | 5 | 9 | - | 4·6 | 7·8 | 1500 | 0 | * |
| Blacksod Point | 1039·9 | +10 | S | 4 | bc | 45 | 75 | 7 | - | 3 | - | 0 | 2·3 | - | 0 | 3 |
| Malin Head ... | 1042·0 | +6 | S | 1 | b | 40 | 85 | 7 | - | - | - | 0 | 0 | - | 0 | 1 |
| Aldergrove ... | 1042·7 | +10 | - | 0 | b | 32 | 92 | 7 | - | - | - | 0 | 0 | - | 0 | * |
| Birr Castle ... | 1041·5 | +4 | E | 1 | b | 30 | 97 | 7 | - | - | - | 0 | 0 | - | 0 | * |
| Valentia Obsy. † | 1039·4 | +8 | E | 3 | b | 42 | 75 | 9 | 7 | - | - | Tr | Tr | 4000 | 0 | 1 |
| Roches Point | 1040·7 | * | SE | 3 | b | 47 | 85 | 8 | 1 | - | - | 1 | 1 | 4000 | 0 | 2 |

### PAST 24 HOURS.

| Stations | Temperature. Max. Day 7h–18h °F. (31) | Temperature. Min. Night 18h–7h °F (32) | Temperature. Min. on Grass °F. (33) | Rainfall. Day 7h–18h mm. (34) | Rainfall. Night 18h–7h mm. (35) | Sunshine 10th Hrs. (36) |
|---|---|---|---|---|---|---|
| London (Kew) | 51 | 30 | 17 | - | Tr | 8·4 |
| Croydon ... | 51 | 27 | 19 | - | - | 10·5 |
| S. Farnborough | 53 | 20 | 12 | - | Tr | 8·4 |
| Boscombe Down | 53 | 26 | 20 | - | - | 10·2 |
| Calshot (Sthmtn.) | 52 | 33 | 29 | - | - | 11·5 |
| Lympne ... | 47 | 29 | 22 | - | Tr | 12·1 |
| Manston ... | 48 | 29 | 18 | - | - | 10·5 |
| Shoeburyness... | 48 | 28 | 21 | - | - | 9·3 |
| Felixstowe ... | 48 | 29 | 22 | - | - | 11·6 |
| Gorleston ... | 47 | 33 | 33 | - | - | 11·6 |
| Mildenhall ... | 52 | 22 | 21 | - | Tr | 10·4 |
| Cranwell ... | 51 | 29 | 17 | - | - | 4·7 |
| Birmingham ... | 50 | 31 | 18 | - | - | 6·6 |
| Upper Heyford | 52 | 29 | 18 | - | - | * |
| Ross-on-Wye | 52 | 27 | 17 | - | - | 11·6 |
| Bristol ... | 53 | 27 | 17 | - | - | 12·0 |
| Portland Bill ... | 48 | 40 | * | - | - | * |
| Plymouth ... | 49 | 35 | 24 | - | - | 5·2 |
| The Lizard ... | 51 | 43 | * | - | - | 4·9 |
| Scilly (St. Mary's) | 49 | 42 | * | - | - | 2·7 |
| Guernsey ... | 50 | 43 | 36 | - | - | 10·6 |
| Pembroke ... | 49 | 37 | * | - | - | 11·3 |
| Holyhead ... | 51 | 36 | 27 | - | - | 10·9 |
| Chester (Sealand) | 53 | 29 | 21 | - | - | 10·8 |
| Manchester ... | 52 | 25 | 20 | - | - | 10·1 |
| Spurn Head ... | 49 | 36 | * | - | Tr | 3·9 |
| Catterick ... | 52 | 24 | 19 | - | - | 9·3 |
| Tynemouth ... | 47 | 35 | 30 | - | - | 6·3 |
| St Abbs Head ... | 49 | 38 | * | - | - | * |
| Leuchars ... | 54 | 33 | 21 | - | - | 11·8 |
| Renfrew (Abbotsinch) | 56 | 27 | 22 | - | - | 10·6 |
| Eskdalemuir ... | 50 | 22 | 17 | - | - | 11·8 |
| Point of Ayre... | 51 | 32 | * | - | - | 10·9 |
| Tiree ... | 51 | 36 | 33 | - | - | 9·9 |
| Stornoway ... | 52 | 43 | * | - | - | 10·8 |
| Dalwhinnie ... | 54 | 24 | 14 | - | - | 10·8 |
| Aberdeen ... | 50 | 31 | 26 | - | - | 12·0 |
| Wick ... | 49 | 31 | * | - | - | * |
| Lerwick ... | 49 | 42 | * | - | - | 11·3 |
| Blacksod Point | 55 | 41 | * | - | - | * |
| Malin Head ... | 54 | 37 | * | - | - | 10·2 |
| Aldergrove ... | 52 | 31 | 25 | - | - | 7·9 |
| Birr Castle ... | 55 | 28 | * | - | - | 11·4 |
| Valentia Obsy. † | 53 | 41 | 35 | - | - | 8·9 |
| Roches Point | 51 | 46 | * | - | - | * |

### LONDON OBSERVATIONS

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations except for rainfall which is 9h—18h.

| | Height above M.S.L. in feet. | Weather. Morning. (24 hrs. ended 9h.) | Weather. Afternoon. | Weather. Night. | Temperature. Day Max. °F. | Temperature. Night Min. °F. | Temperature. Min. on Grass °F. | Rainfall. Day. mm. | Rainfall. Night. mm. | Sunshine to Sunset. hrs. (Yesterday.) | Humidity. 15h. G.M.T % (Yesterday.) | Humidity. 9h. G.M.T % (To-day.) | Visibility 9h. (To-day.) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kew ... | 18 | cz bz y | bz y | bz | 51 | 30 | 17 | - | Tr | 8·4 | * | * | 6 |
| Croydon ... | 217 | bc by | by | by m WX | 51 | 27 | 19 | - | - | 10·5 | * | * | 7 |
| Greenwich (Royal Observatory) ... | 149 | by | bc by | bx f | 51 | 29 | 15 | - | Tr | 11·3 | 45 | 63 | 6 |
| City (Bunhill Row) ... | — | * | * | * | * | * | * | * | * | 10·1 | * | * | * |
| Westminster (St James' Park) ... | 27 | * | * | * | 52 | 34 | 28 | - | - | 10·3 | 42 | 59 | * |
| Kew Pk. (Botanic Gardens)‡ ... | 168 | * | * | * | 52 | 31 | 22 | - | - | 9·1 | 59 | 76 | * |
| Camden Square ... | 110 | bc | b | * | 55 | 31 | 20 | - | - | * | * | 53 | * |
| Kensington ... | 80 | bc | b | * | 53 | 32 | 24 | - | - | 9·4 | At 18h. 52 | 54 | * |
| Hampstead Observatory ... | 450 | bc | bc | b | 55 | 33 | 23 | - | - | 9·4 | * | 73 | * |

Atmospheric Pollution.
Milligrams of Solid Impurity per cubic metre.
24 hrs. ended 7h. G.M.T. 11th

| South Kensington. Max. | Time. | Min. | Time. |
|---|---|---|---|
| Pollution defective | | | |

| Kew Observatory. Max. | Time. | Min. | Time. |
|---|---|---|---|
| 0·4 | 6h. 11th. | <0·1 | 9h. 10th. |

### FOREIGN OBSERVATIONS.

| Stations | 18h G.M.T. 10th April. Barom. mb. | Wind. Direc. | Wind. Force. | Weather. | Temp. °F. | 7h. G.M.T. 11th April. Barom. mb. | Wind. Direc. | Wind. Force. | Weather. | Temp. °F. | Past 24 Hours. Max. Day °F. | Min. Night °F. | Rainfall. Day mm. | Rainfall. Night min. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Paris ... | 1036·7 | NNE | 4 | b | 48 | 1040·1 | NNE | 2 | bc | 36 | 54 | 30 | - | - |
| Brussels ... | | | | | | 1040·3 | NE | 1 | $Z_0$ | 41 | | 28 | | - |
| Berlin ... | 1035·6 | NNE | 4 | b | 41 | 1034·0 | NW | 3 | $Z_0$ | 37 | 48 | 36 | Tr | - |
| Zurich ... | 1030·6 | NE | 3 | bc/ps | 37 | | | | | | 43 | | 1 | |
| Rome ... | 1012·3 | N | 5 | o | 50 | | | | | | * | * | 1 | |

### EXPLANATION OF FIGURES, LETTERS, etc.

**COLUMNS 2, 16.**
The barometric tendency is expressed in tenths of a millibar.

**COLUMNS 4, 18.**
The Beaufort Scale of Wind is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers is the speed at about 30 feet above the ground.

| Beaufort No | Statute m/h. | Beaufort No. | Statute m/h. | Beaufort No. | Statute m/h. |
|---|---|---|---|---|---|
| 0 | <1 | 4 | 13–18 | 9 | 47–54 |
| 1 | 1–3 | 5 | 19–24 | 10 | 55–63 |
| 2 | 4–7 | 6 | 25–31 | 11 | 64–75 |
| 3 | 8–12 | 7 | 32–38 | 12 | > 75 |
| | | 8 | 39–46 | | |

**COLUMNS 34, 35.**
Tr. = rain has fallen, but amount less than 0·1 mm.

**COLUMNS 8, 22.—Code for surface visibility.**

| | Objects not visible at |
|---|---|
| 0 Dense fog | 55 yards. |
| 1 Thick fog | 220 ,, |
| 2 Fog | 550 ,, |
| 3 Moderate fog | 1,100 ,, |
| 4 Mist or haze | 1½ miles. |
| 5 Poor visibility | 2½ ,, |
| 6 Moderate ,, | 6½ ,, |
| 7 Good ,, | 12½ ,, |
| 8 Very good ,, | 31 ,, |
| 9 Excellent ,, | beyond 31m. |

**COLUMN 30.—Code for State of Sea.**

| | |
|---|---|
| 0 Calm. | 5 Very rough. |
| 1 Smooth. | 6 High. |
| 2 Slight. | 7 Very high. |
| 3 Moderate. | 8 Precipitous. |
| 4 Rough. | 9 Confused. |

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METEOROLOGICAL OFFICE, AIR MINISTRY, ADASTRAL HOUSE, KINGSWAY, LONDON, W.C.2.

George C. Simpson, K.C.B., D.Sc., F.R.S., Director.

† Hr. observations are from Valentia W/T Station. ‡ Maximum and Minimum Temperatures are for the 24 hours ending 8 h. § Sea disturbance reported from Dungeness.

Page 1.

AIR MINISTRY.

# THE DAILY WEATHER REPORT

## OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Tuesday 12th April, 1938
No. 27900

### OBSERVATIONS at 13h. G.M.T. 11th April

| District | Stations (For heights see p. 4.) | Barom. at M.S.L. mb. (1) | Change in 3 hours (2) | Wind: Direc. (3) | Wind: Force 0–12 (4) | Weather (5) | Temp. °F. (6) | % Humid. (7) | Visibility 0–9 (8) | Cloud Form: Low (9) | Cloud Form: Med. (10) | Cloud Form: High (11) | Cloud Amount: Low 0–10 (12) | Cloud Amount: Total 0–10 (13) | Height of Base (feet) (14) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | London (Kew) | 1040.9 | -12 | NW | 3 | zo | 51 | 45 | 6 | 1 | - | 4 | Tr | 2-3 | 2500 |
| | Croydon | 1040.5 | -16 | NNW | 2 | zo | 51 | 55 | 6 | 1 | - | - | 2-3 | 2-3 | 4000 |
| | S. Farnborough | 1040.7 | -18 | NWN | 2 | b | 54 | 35 | 7 | 1 | - | 1 | Tr | Tr | 5700 |
| | Boscombe Down | 1041.2 | -16 | N | 2 | b | 51 | 45 | 8 | - | - | 5 | 0 | Tr | - |
| | Calshot (Sthmtn.) | 1040.9 | -10 | N'W | 1 | b | 54 | 45 | 8 | 1 | - | 9 | Tr | Tr | 4000 |
| | Lympne | 1041.3 | -6 | N'W | 3 | bc | 48 | 85 | 8 | 1 | - | - | 4-6 | 4-6 | 4000 |
| | Manston | 1041.3 | -8 | NE | 2 | bc | 46 | 65 | 8 | 1 | - | 5 | 2-3 | 4-6 | 2500 |
| 2 | Shoeburyness | 1041.1 | -10 | SE | 3 | bc | 48 | 65 | 8 | 4 | 4 | - | 2-3 | 4-6 | 2500 |
| | Felixstowe | 1041.6 | -6 | E'S | 2 | bc | 48 | 55 | 8 | 7 | - | 4 | 1 | 2-3 | 4000 |
| | Gorleston | 1041.3 | -4 | NNE | 3 | c | 45 | 65 | 7 | 5 | 5 | - | 4-6 | 7-8 | 2500 |
| | Mildenhall | 1040.8 | -14 | N | 3 | bc | 53 | 56 | 7 | 1 | - | 4 | 1 | 4-6 | 4000 |
| | Cranwell | 1040.7 | -14 | NW | 3 | zo | 55 | 45 | 6 | - | 4 | - | 0 | Tr | - |
| 3 | Birmingham | 1040.2 | -10 | NE | 2 | zo | 53 | 45 | 5 | - | - | - | 0 | 0 | - |
| | Upper Heyford | 1041.0 | -14 | NE | 1 | zo | 53 | 55 | 6 | - | - | 4 | 0 | 2-3 | - |
| 4 | Ross-on-Wye | 1040.7 | -8 | N | 3 | b | 55 | 45 | 7 | - | - | - | 0 | 0 | - |
| 5 | Bristol | 1041.4 | -14 | NNE | 1 | b | 52 | 55 | 7 | 1 | - | - | Tr | Tr | 4000 |
| | Portland Bill | 1041.2 | -6 | S | 3 | bc | 50 | 65 | 8 | - | 4 | - | 0 | 2-3 | - |
| | Plymouth | 1041.1 | -8 | S | 4 | b | 50 | 75 | 8 | 1 | - | - | Tr | Tr | 4000 |
| | The Lizard | 1040.8 | -4 | E | 3 | bc | 53 | 65 | 8 | 8 | - | - | 2-3 | 2-3 | 2500 |
| | Scilly (St. Mary's) | 1040.9 | 0 | ESE | 4 | bc | 54 | 65 | 8 | 1 | - | - | 2-3 | 2-3 | 4000 |
| | Guernsey | 1040.1 | -6 | NE | 5 | bc | 49 | 75 | 9 | 1 | 1 | 1 | Tr | 2-3 | 2500 |
| 6 | Pembroke | 1042.5 | -6 | SW'W | 2 | b | 50 | 75 | 8 | 7 | - | - | Tr | Tr | 2500 |
| 7 | Holyhead | 1041.9 | -4 | N'W | 3 | b | 51 | 75 | 6 | 1 | - | - | Tr | Tr | 4000 |
| | Chester (Sealand) | 1041.8 | -14 | NW | 3 | zo | 54 | 45 | 6 | - | - | - | 0 | 0 | - |
| 8 | Manchester | 1041.3 | -18 | NW | 3 | zo | 54 | 45 | 5 | - | - | - | 0 | 0 | - |
| 10 | Spurn Head | 1041.3 | -6 | NE'E | 3 | bc | 51 | 65 | 6 | - | - | 8 | 0 | 4-6 | - |
| | Catterick | 1040.6 | -14 | NNE | 2 | zo | 57 | 35 | 6 | - | - | - | 0 | 0 | - |
| | Tynemouth | 1041.4 | -4 | NNE | 2 | bc | 50 | 65 | 7 | 5 | - | - | 2-3 | 2-3 | 1500 |
| 11 | St Abbs Head | 1041.3 | -2 | NW | 2 | b | 46 | 85 | 6 | - | - | - | 0 | 0 | - |
| 12 | Leuchars | 1041.4 | -2 | SE | 2 | b | 55 | 55 | 7 | - | - | - | 0 | 0 | - |
| | Renfrew (Abbots I.) | 1041.4 | -12 | SW'W | 1 | zo | 56 | 55 | 6 | - | - | - | 0 | 0 | - |
| | Eskdalemuir | 1040.5 | -4 | SSW | 2 | b | 54 | 45 | 7 | - | - | - | 0 | 0 | - |
| | Point of Ayre | 1042.4 | -4 | N'W | 1 | b | 51 | 85 | 7 | - | 4 | - | 0 | Tr. | - |
| 13A | Tiree | 1041.7 | 0 | WSW | 3 | c | 50 | 75 | 6 | 2 | - | - | 7-8 | 7-8 | 4000 |
| 13B | Stornoway | 1040.8 | 0 | SSW | 4 | b | 53 | 75 | 7 | 1 | - | - | 1 | 1 | 5700 |
| 15 | Dalwhinnie | 1041.3 | -4 | SW | 3 | b | 56 | 45 | 8 | - | - | - | 0 | 0 | - |
| | Aberdeen | 1041.2 | -6 | SE'E | 3 | b | 51 | 55 | 6 | - | - | 1 | 0 | Tr | - |
| | Wick | 1040.7 | -4 | S | 3 | bc | 49 | 85 | 7 | 5 | 1 | 1 | 2-3 | 2-3 | 1500 |
| 16 | Lerwick | 1039.1 | -10 | SW | 4 | bc | 50 | 65 | 8 | 5 | - | 1 | 2-3 | 2-3 | 1500 |
| 17 | Blacksod Point | 1040.9 | -2 | S'E | 3 | b | 52 | 65 | 8 | - | - | - | 0 | 0 | - |
| 18 | Malin Head | 1042.5 | -2 | N | 1 | b | 47 | 85 | 7 | - | - | - | 0 | 0 | - |
| | Aldergrove | 1042.2 | -10 | W | 2 | b | 55 | 45 | 7 | - | - | - | 0 | 0 | - |
| 19 | Birr Castle | 1041.3 | -4 | SSE' | 1 | bc | 57 | 45 | 7 | - | - | 8 | 0 | 2-3 | - |
| 20 | Valentia Obsy. † | 1040.3 | -2 | S'E | 3 | b | 57 | 55 | 9 | - | - | 1 | 0 | Tr | - |
| | Roches Point | 1041.7 | * | SE | 3 | bc | 52 | 75 | 8 | 1 | - | - | 2-3 | 2-3 | 4000 |

### OBSERVATIONS at 18h. G.M.T. 11th April

| Stations | Barom. at M.S.L. mb. (15) | Change in 3 hours (16) | Wind: Direc. (17) | Wind: Force 0–12 (18) | Weather (19) | Temp. °F. (20) | % Humid. (21) | Visibility 0–9 (22) | Cloud Form: Low (23) | Cloud Form: Med. (24) | Cloud Form: High (25) | Cloud Amount: Low 0–10 (26) | Cloud Amount: Total 0–10 (27) | Height of Base (feet) (28) | State of Ground 0–9 (29) | Sea 0–9 (30) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| London (Kew) | 1039.1 | -4 | NE | 3 | zo | 54 | 45 | 6 | - | - | - | 0 | 0 | - | 0 | * |
| Croydon | 1038.5 | -8 | N'E | 2 | zo | 52 | 55 | 5 | - | - | - | 0 | 0 | - | 0 | * |
| S. Farnborough | 1038.6 | -6 | NE'N | 2 | zo | 54 | 45 | 6 | - | - | 1 | 0 | Tr | - | 0 | * |
| Boscombe Down | 1039.2 | -6 | NE'N | 3 | bc | 52 | 45 | 7 | - | - | 4 | 0 | 4-6 | - | 0 | * |
| Calshot (Sthmtn.) | 1038.8 | -6 | SW'W | 2 | zo | 49 | 65 | 6 | - | - | 1 | 0 | Tr | - | 0 | 1 |
| Lympne | 1039.7 | -2 | NE'E | 3 | b | 43 | 65 | 8 | - | - | - | 0 | 0 | - | 0 | § 4 |
| Manston | 1039.9 | +2 | E'N | 2 | b | 43 | 65 | 8 | - | - | 1 | 0 | Tr | - | 0 | * |
| Shoeburyness | 1039.6 | -6 | SE | 3 | b | 44 | 65 | 8 | - | - | - | 0 | 0 | - | 0 | * |
| Felixstowe | 1040.2 | -2 | NE'E | 2 | b | 44 | 65 | 8 | - | - | 1 | 0 | Tr | - | 0 | 2 |
| Gorleston | 1039.9 | 0 | N | 3 | bc | 46 | 65 | 7 | - | 4 | - | 0 | 2-3 | - | 0 | 2 |
| Mildenhall | 1039.2 | -2 | NE'N | 2 | b | 53 | 45 | 7 | - | - | 1 | 0 | Tr | - | 0 | * |
| Cranwell | 1039.9 | -2 | NE | 3 | bc | 51 | 45 | 7 | - | - | 6 | 0 | 2-3 | - | 0 | * |
| Birmingham | 1039.2 | -2 | N | 3 | zo | 53 | 45 | 5 | - | - | - | 0 | 0 | - | 0 | * |
| Upper Heyford | 1039.4 | -2 | N | 2 | zo | 53 | 55 | 6 | - | - | - | 0 | 0 | - | 0 | * |
| Ross-on-Wye | 1039.1 | -6 | E | 1 | zo | 54 | 55 | 5 | - | - | 2 | 0 | 2-3 | - | 0 | * |
| Bristol | 1039.1 | -6 | N | 2 | zo | 52 | 55 | 6 | - | 3 | 2 | 0 | 4-6 | - | 0 | * |
| Portland Bill | 1038.8 | -6 | W | 2 | bc | 46 | 65 | 8 | 1 | - | - | 4-6 | 4-6 | 2500 | 0 | 2 |
| Plymouth | 1039.6 | -2 | SSW | 2 | bc | 49 | 65 | 8 | - | - | 6 | 0 | 4-6 | - | 0 | 2 |
| The Lizard | 1039.8 | -4 | E'N | 2 | bc | 48 | 75 | 8 | 7 | 4 | - | 1 | 2-3 | 4000 | 0 | 2 |
| Scilly (St. Mary's) | 1039.9 | -2 | E | 3 | b | 50 | 75 | 8 | 1 | - | - | Tr | Tr | 4000 | 0 | 2 |
| Guernsey | 1038.8 | -6 | NE | 1 | b | 47 | 75 | 9 | - | 1 | - | 0 | Tr | - | 0 | 3 |
| Pembroke | 1040.6 | -6 | N'W | 4 | bc | 49 | 75 | 7 | - | 1 | - | 0 | 2-3 | - | 0 | 2 |
| Holyhead | 1041.1 | -6 | NNE | 2 | b | 48 | 75 | 8 | - | - | 1 | 0 | Tr | - | 0 | 1 |
| Chester (Sealand) | 1041.0 | -2 | WNW | 3 | zo | 48 | 65 | 6 | - | - | - | 0 | 0 | - | 0 | * |
| Manchester | 1039.9 | -8 | NW | 3 | zo | 50 | 65 | 5 | - | - | - | 0 | 0 | - | 0 | * |
| Spurn Head | 1040.4 | -4 | ENE | 2 | bc | 45 | 92 | 6 | - | - | 8 | 0 | 4-6 | - | 0 | 1 |
| Catterick | 1040.5 | +2 | N'E | 2 | zo | 52 | 55 | 5 | - | - | - | 0 | 0 | - | 0 | * |
| Tynemouth | 1040.9 | 0 | NE | 1 | bc | 48 | 85 | 6 | 5 | - | - | 2-3 | 2-3 | 800 | 0 | 1 |
| St Abbs Head | 1040.4 | -4 | SSE | 2 | b | 46 | 92 | 6 | - | - | - | 0 | 0 | - | 0 | 1 |
| Leuchars | 1040.6 | -2 | E | 2 | b | 51 | 75 | 8 | - | - | - | 0 | 0 | - | 0 | * |
| Renfrew (Abbots I.) | 1040.3 | -4 | WSW | 2 | zo | 56 | 65 | 6 | - | - | - | 0 | 0 | - | 0 | * |
| Eskdalemuir | 1040.1 | 0 | S'E | 2 | zo | 51 | 55 | 6 | - | - | - | 0 | 0 | - | 0 | * |
| Point of Ayre | 1041.4 | -6 | WNW | 3 | b | 49 | 85 | 7 | - | - | - | 0 | 0 | - | 0 | 1 |
| Tiree | 1041.5 | +2 | W'S | 2 | b | 48 | 75 | 7 | - | - | 8 | 0 | Tr | - | 0 | 1 |
| Stornoway | 1040.4 | +4 | WSW | 3 | c | 52 | 75 | 6 | 5 | - | 7 | 2-3 | 10 | 4000 | 1 | 2 |
| Dalwhinnie | 1040.1 | 0 | W | 1 | b | 55 | 55 | 8 | - | - | - | 0 | 0 | - | 0 | * |
| Aberdeen | 1040.8 | +2 | S'W | 2 | b | 50 | 45 | 6 | - | - | 1 | 0 | Tr | - | 0 | 1 |
| Wick | 1040.3 | +4 | S | 2 | bc | 47 | 85 | 7 | 5 | 1 | - | 2-3 | 2-3 | 1500 | 1 | 1 |
| Lerwick | 1038.3 | 0 | SW | 4 | bc | 48 | 85 | 8 | 5 | 7 | - | 2-3 | 4-6 | 1500 | 1 | * |
| Blacksod Point | 1040.8 | +6 | NW | 3 | b | 51 | 75 | 8 | - | - | - | 0 | 0 | - | 0 | 3 |
| Malin Head | 1041.8 | 0 | N | 2 | b | 48 | 75 | 7 | - | - | - | 0 | 0 | - | 0 | 1 |
| Aldergrove | 1041.0 | -6 | SW | 1 | b | 54 | 55 | 7 | - | - | - | 0 | 0 | - | 0 | * |
| Birr Castle | 1040.2 | -8 | SSE | 1 | b | 58 | 45 | 7 | - | - | - | 0 | 0 | - | 0 | * |
| Valentia Obsy. † | 1039.7 | +2 | SSW | 4 | b | 53 | 65 | 8 | - | - | - | 0 | 0 | - | 0 | 1 |
| Roches Point | 1041.0 | * | SE | 3 | b | 50 | 75 | 8 | 1 | - | - | 1 | 1 | 4000 | 0 | 2 |

### PAST 24 HOURS. — Weather

| Stations | 7h.—13h. 11th (37) | 13h.—18h. 11th (38) | 18h. 11th to 1h. 12th (39) | 1h.—7h. 12th (40) |
|---|---|---|---|---|
| London (Kew) | bcbzoy | bcbzoy | bybzo | bccmx |
| Croydon | bcmfzoy | bzoy | byzmox | bmoxcm |
| S. Farnborough | bmobcby | bbcbzoy | bmox | bmoFx |
| Boscombe Down | bxmoby | bybcy | bcyb | bbmox |
| Calshot (Sthmtn.) | bmobcby | byzo | bw bmo | bwbmo |
| Lympne | bcy | bcby | bbc | c |
| Manston | bcmobc | bcbyb | bcc | c |
| Shoeburyness | bcbc | bvb | b,c | c |
| Felixstowe | bmobcv | bcvybv | b | bbcc |
| Gorleston | czocbc | bc | c | cbczo |
| Mildenhall | bfgxbbcy | bcyby | byb | bxbcxcmo |
| Cranwell | bbzoy | bczobcy | bcybmo | xbFc |
| Birmingham | fbz | bz | bz | bfx |
| Upper Heyford | bmo | bcbzoy | bzo | bmo |
| Ross-on-Wye | bzoby | byzo | bz | bmx |
| Bristol | bzoy | bzobc | bcbmo | bxmom |
| Portland Bill | bbc | bbc | b | b |
| Plymouth | bbcyb | bbc | bcbzo | bzowxmo |
| The Lizard | bc | bc | bcb | bbczo |
| Scilly (St. Mary's) | bc | bcb | bbcb | bwzo |
| Guernsey | bbc | bbc | b | bbcc |
| Pembroke | bzo | bbc | b | bmo |
| Holyhead | bxzo | b | bw | bwxmo |
| Chester (Sealand) | bmoxzoy | bzoy | bzomow | bmoFFwx |
| Manchester | bffzoy | byzo | bzomwf | bfoF |
| Spurn Head | cz | c | cbcw | bcwmf |
| Catterick | bzoy | bzoy | zoybmw | bmwmox |
| Tynemouth | bcmo | bbc | bcm | bcm |
| St Abbs Head | bmo | bmo | bmo | bmo |
| Leuchars | bxmozo | bzoyb | bbmox | bmox |
| Renfrew (Abbots I.) | bffxzo | bzoy | bzomow | bFfx |
| Eskdalemuir | bby | byzo | bzo | bxmo |
| Point of Ayre | b | b | bbw | bzw |
| Tiree | czobc | bczob | bw | bbcc |
| Stornoway | b | b,c | cb | b,c |
| Dalwhinnie | b | b | * | b |
| Aberdeen | bzo | bzo | ybzow | bzox |
| Wick | bc | bc | bcmo | bcmo |
| Lerwick | cbc | bc | bc | c |
| Blacksod Point | bc | bc | b | b |
| Malin Head | b | b | b | bx |
| Aldergrove | bxb | by | bybzomo | bmox |
| Birr Castle | bbc | bcb | bbc | bcb |
| Valentia Obsy. † | bvy | bvyb | bbcbw | bxb |
| Roches Point | bbc | bcb | bw | bw |

## EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

### COLUMNS 5, 19, 37, 38, 39, 40.—BEAUFORT NOTATION AND SYMBOLS FOR WEATHER.

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g. gloom.
f, fog, visibility 220–1100 yds.
F, thick fog „ less than 220 yds.
fs, low fog over sea (coast station).
fg, low fog over land (inland station).
m, mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jf, fog at a distance, but not at station.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/so, slight storm of drifting snow (generally low).
k/S, heavy storm of drifting snow (generally low).
so/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze: the turbid atmosphere of dry weather.
h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus R, heavy rain. ro, slight rain. rr, continuous rain.
<, less than (for cloud height).
⊕, Solar halo. Ⓘ lunar halo. gale.

With present weather is combined, whenever possible, the general character of the weather.

A "solidus" divides actual existing weather from preceding conditions thus:—bc/r, fair weather after rain; —, has decreased; +, has increased.

### COLUMNS 9, 23.—FORM OF LOW CLOUD.

0 No low clouds.
1 Fair weather Cu.
2 Large Cu without anvil.
3 Cb.
4 Sc formed by the spreading out of Cu.
5 Layer of St or Sc.
6 Ragged low clouds of bad weather (or fractonimbus).
7 Fair weather Cu. and Sc.
8 Large-Cu (or Cb) and Sc.
9 Large-Cu (or Cb) and ragged low clouds of bad weather.

### COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4-6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries. "tr" signifies a small amount of cloud (trace) covering less than 1/20 of the sky. "9+" signifies an overcast sky with a few small openings.

### COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

0 No medium clouds.
1 Typical As (thin).
2 Typical As (thick) (sun or moon invisible), or Nimbostratus (Ns).
3 Single layer of Ac or high Sc.
4 Ac in isolated patches. Individually decreasing (often lenticular).
5 Ac in bands (increasing).
6 Ac formed from the spreading out of Cu.
7 Ac associated with As or As with parts resembling Ac.
8 Ac Castellatus (or Ac in ragged fragments).
9 Ac in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

### COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

0 No cirriform cloud.
1 Fine Ci not increasing: sparse.
2 Fine Ci not increasing: abundant but not a continuous layer.
3 Anvil Ci (usually dense).
4 Fine Ci increasing: usually in tufts.
5 Ci or Cs increasing: still below 45° altitude: often in polar bands.
6 Ci or Cs increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Cs covering whole sky.
8 Cs not increasing and not covering whole sky.
9 Cc predominating, and a little cirrus.
(Cc may occur with any of the types 1 to 8).

Cloud form abbreviations:—
Cirrus,-Ci: Cirrocumulus,-Cc: Cirrostratus,-Cs: Altocumulus, : Altostratus,-As
Stratocumulus,-Sc: Stratus,-St: Nimbostratus,-Ns: Cumulus,-C. . Cumulonimbus,-Cb

### COLUMN 29.—STATE OF GROUND.

0 .. Ground dry.
1 .. „ wet.
2 .. „ flooded.
3 .. „ frozen hard and dry.
4 .. „ partly covered with snow or hail.
5 .. „ covered with ice or glazed frost.
6 .. Ground covered with thawing snow.
7 .. „ covered with snow, less than 6 ins., deep but ground not frozen.
8 .. „ covered with snow, less than 6 ins., but ground frozen.
9 .. „ covered with snow greater than 6 ins. deep.

*Note.—The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

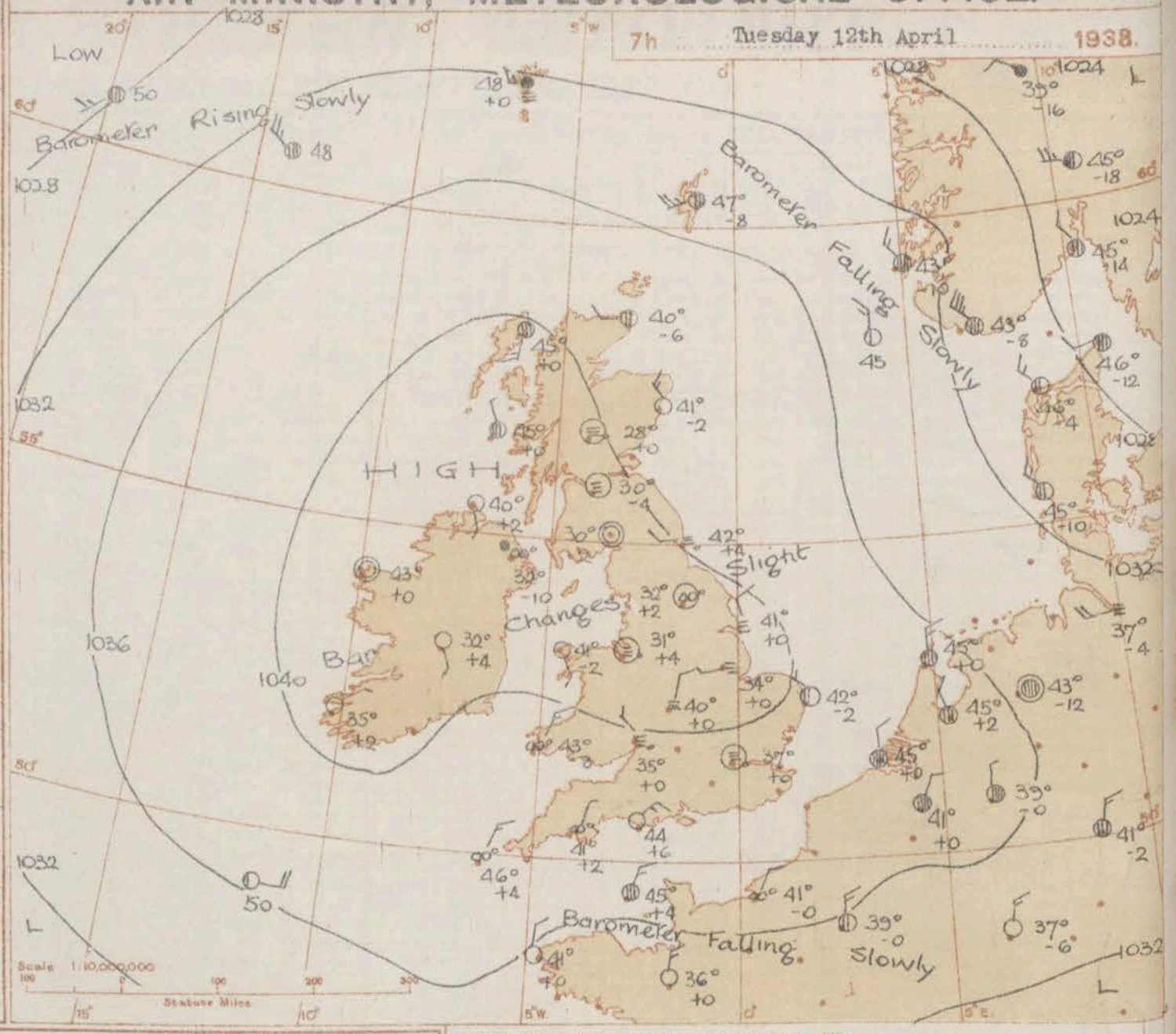
§ Sea disturbance reported from Dungeness

REPORTS from HEALTH RESORTS for 11th April, 1938.

| Districts. | Stations. | Weather (Forenoon) | Weather (Afternoon) | Temperature (°F.) Min. 9h. 10th to 9h. 11th | Temperature (°F.) Max. 9h. 17th 11th | Rainfall (mm.) Night. 17h. 10th to 9h. 11th | Rainfall (mm.) Day. 9h.—17h. 11th | Sunshine (Hrs.) Sunrise to 17h. 11th | Sunshine (Hrs.) Sunrise to Sunset 10th |
|---|---|---|---|---|---|---|---|---|---|
| 1 | Tunbridge W | bbcb | b | 24 | 55 | - | - | 10·6 | 11·3 |
| | Bournemouth | b | b | 29 | 57 | - | - | 11·0 | 12·2 |
| | Ventnor ... | xb | b | 36 | 57 | - | - | 10·9 | 11·5 |
| | Southsea ... | b | b | 35 | 56 | - | - | 10·9 | 11·0 |
| | Bognor Regis | b | b | 34 | 52 | - | - | 11·0 | 11·7 |
| | Littlehampton | bbc | bcb | 32 | 52 | - | - | 10·9 | 12·2 |
| | Worthing ... | b | b | 35 | 52 | - | - | 10·9 | 11·7 |
| | Brighton ... | b | b | 35 | 52 | - | - | 10·5 | 10·8 |
| | Eastbourne† ... | b | b | 35 | 52 | - | - | 10·3 | 11·9 |
| | Hastings† ... | bbc | bcb | 34 | 52 | - | - | 10·5 | 12·4 |
| | Folkestone ... | bbcb | b | 34 | 51 | - | - | 10·6 | 11·5 |
| | Dover ... | vbc | bcby | 34 | 49 | - | - | 9·8 | 11·1 |
| | Deal ... ... | bcb | b | 31 | 51 | - | - | 10·9 | 10·3 |
| | Ramsgate ... | bc | bc | 30 | 46 | - | - | 10·8 | 10·9 |
| | Margate ... | bcb | b | 38 | 47 | - | - | 11·0 | 10·4 |
| 2 | Southend ... | b | b | 34 | 51 | - | - | 10·9 | 8·8 |
| | Clacton-on-Sea | bv | bv | 32 | 48 | - | - | 10·9 | 11·1 |
| | Dovercourt ... | bcv | bv | 38 | 50 | - | - | 10·6 | 11·9 |
| | Lowestoft ... | c | cbcbb | 38 | 49 | - | - | 4·8 | 11·9 |
| | Skegness ... | b | b | 32 | 49 | - | - | 10·9 | 6·1 |
| | Mablethorpe... | b | b | 28 | 50 | - | - | 10·3 | 1·1 |
| | Cleethorpes ... | b | b | 30 | 53 | - | - | 10·7 | 5·3 |
| 3 | Leamington S. | bzb | bbz | 28 | 57 | - | - | 9·2 | 7·3 |
| 4 | Cheltenham† | bcb | bz₀ | 31 | 58 | - | - | 10·6 | 12·2 |
| 5 | Bath ... ... | b | b | 28 | 57 | - | - | 11·0 | 12·2 |
| | Weymouth ... | b | b | 35 | 54 | - | - | 11·1 | 11·7 |
| | Jersey ... | b | b | 42 | 54 | - | - | 11·2 | 12·5 |
| | Torquay ... | wb | bby | 35 | 51 | - | - | 10·7 | 9·5 |
| | Falmouth | b | b | 43 | 52 | - | - | 10·6 | 3·2 |
| | Penzance ... | b | b | 39 | 55 | - | - | 9·4 | 3·0 |
| | St. Ives ... | b | b | 43 | 59 | - | - | 8·7 | 1·5 |
| | Bude... ... | b | b | 32 | 56 | - | - | 10·6 | 12·1 |
| | Ilfracombe ... | cbcb | bcbbc | 40 | 52 | - | - | 10·6 | 11·3 |
| 6 | Aberystwyth | xbc | bbc | 34 | 51 | - | - | 10·7 | 12·4 |
| 7 | Llandudno ... | b | bz₀ | 35 | 55 | - | - | 10·7 | 11·7 |
| | Colwyn Bay... | xb | b | 33 | 51 | - | - | 10·3 | 11·1 |
| | Rhyl ... ... | bz₀ | bz₀ | 31 | 52 | - | - | 10·0 | 11·4 |
| 8 | Wallasey ... | bzbcb | b | 37 | 53 | - | - | 9·0 | 10·5 |
| | Southport ... | b,z | b,z | 31 | 56 | - | - | 9·9 | 10·8 |
| | Blackpool ... | bm | bm₀ | 28 | 53 | - | - | 10·2 | 10·8 |
| | Morecambe ... | bembc | bbc | 32 | 54 | - | - | 10·0 | 12·2 |
| 9 | Ilkley... ... | b | b | 29 | 63 | - | - | 10·0 | 7·9 |
| | Harrogate ... | bz | bz | 30 | 58 | - | - | 10·9 | 7·8 |
| 10 | Berwick-on-T. | bz₀ | b | 33 | 50 | - | - | 10·4 | 9·6 |
| 11 | Dunbar ... | bcm₀ | bcm₀ | 35 | 51 | - | - | 10·3 | 11·7 |
| 12 | Troon... ... | bbcb | cb | 33 | 51 | - | - | 9·7 | 10·9 |
| | Douglas ... | bxz₀ | bz₀ | 34 | 52 | - | - | 10·4 | 11·4 |

† Max. Temp. for period 9h. yesterday to 17h. to-day. Min. Temp. 21h.–9h.

# AIR MINISTRY, METEOROLOGICAL OFFICE.




BAROMETER. Isobars are drawn for intervals of two millibars.
WIND, WEATHER SYMBOLS. For explanation see opposite page.
SEA DISTURBANCE Rough. High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

| Districts. | FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 12th April, 1938. |
|---|---|
| 1 S.E. England | Light to moderate variable winds; mainly bright; local morning mist or fog; rather warm by day, ground frost at night, severe locally. |
| 2 E. England ... | |
| 3 E. Midlands ... | |
| 4 W. Midlands ... | |
| 5 S.W. England | |
| 6 South Wales ... | |
| 7 North Wales ... | |
| 8 N.W. England | |
| 9 N. Midlands ... | |
| 10 N.E. England | |
| 11 S.E. Scotland | |
| 12 S.W. Scotland & Isle of Man. | |
| 13 A. W. Scotld. B.N.W.Scotland. | |
| 14 Mid Scotland | |
| 15 N. E. Scotland | |
| 16 Orkney and Shetland | |
| 17 N. W. Ireland | |
| 18 N. E. Ireland | |
| 19 S. E. Ireland | |
| 20 S. W. Ireland | |

## GENERAL INFERENCE.

An anticyclone covering the British Isles will maintain mainly fine weather generally. It will be rather warm by day but ground frost will be widespread at night.

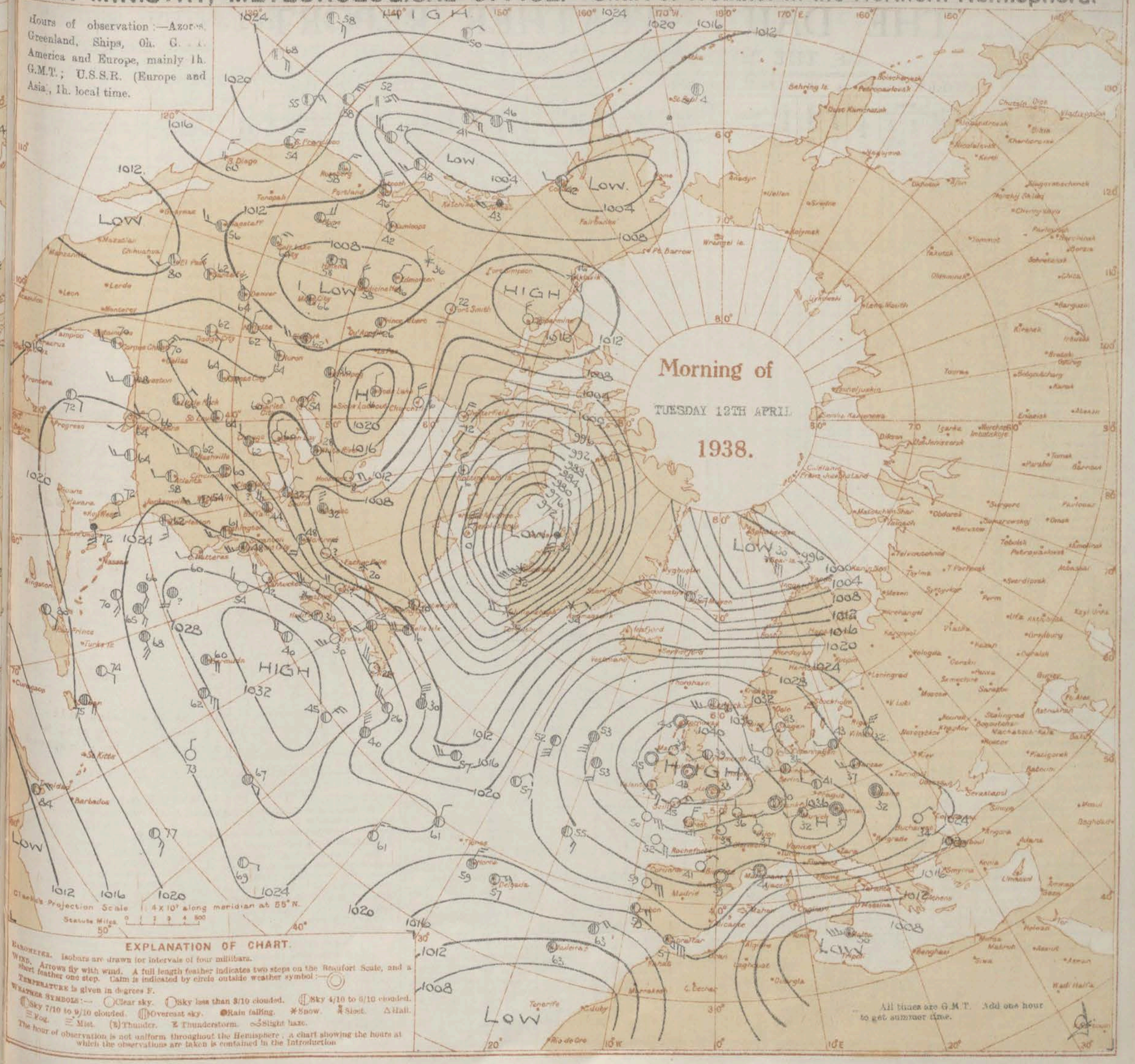
## FURTHER OUTLOOK.

Continuing mainly fair for several days.

Forecasts issued at 1000 G.M.T. GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S., Director.

H.M. Stationery Office Press, Kingsway, W.C.2

# AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.




## EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. Calm is indicated by circle outside weather symbol :—

TEMPERATURE is given in degrees F.

WEATHER SYMBOLS :— Clear sky. Sky less than 3/10 clouded. Sky 4/10 to 6/10 clouded. Sky 7/10 to 9/10 clouded. Overcast sky. Rain falling. Snow. Sleet. Hail. Fog. Mist. (%) Thunder. Thunderstorm. Slight haze.

The hour of observation is not uniform throughout the Hemisphere. A chart showing the hours at which the observations are taken is contained in the Introduction

AIR MINISTRY.

# THE DAILY WEATHER REPORT

## OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Tuesday 12th April, 1938
No. 27900

### OBSERVATIONS at 1 hr. G.M.T. 12th April

| District | Stations | Height above M.S.L. in feet | Barom. at M.S.L. mb. (1) | Change in 3 hours (2) | Wind Direc. (3) | Wind Force 0-12 (4) | Weather (5) | Temp. °F. (6) | Humid. % (7) | Visibility 0-9 (8) | Cloud Form Low (9) | Cloud Form Med. (10) | Cloud Form High (11) | Cloud Amount Low 0-10 (12) | Cloud Amount Total 0-10 (13) | Height of Base (feet) (14) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | London (Kew) | 18 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Croydon ... | 217 | 1039·5 | -2 | - | 0 | $z_o$ | 33 | 97 | 5 | - | - | - | 0 | 0 | - |
| | S. Farnborough | 226 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Boscombe Down | 417 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Calshot (Sthmtn.) | 8 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Lympne ... | 346 | 1040·0 | -4 | N'E | 2 | c | 34 | 85 | 8 | 5 | - | - | 7·8 | 7·8 | 2500 |
| | Manston ... | 142 | 1039·6 | -2 | ENE | 2 | c | 39 | 85 | 8 | 5 | - | - | 9 | 9 | 1500 |
| 2 | Shoeburyness... | 11 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Felixstowe ... | 15 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Gorleston ... | 5 | 1040·0 | -2 | N | 2 | c | 43 | 75 | 7 | 5 | - | - | 9+ | 9+ | 2500 |
| | Mildenhall ... | 19 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Cranwell ... | 240 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 3 | Birmingham ... | 535 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Upper Heyford | 408 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 4 | Ross-on-Wye | 223 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 5 | Bristol ... | 209 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Portland Bill ... | 32 | 1037·9 | -6 | NE | 2 | b | 46 | 65 | 8 | - | - | - | 0 | 0 | - |
| | Plymouth ... | 82 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | The Lizard ... | 240 | 1039·0 | -8 | NNE | 3 | b | 42 | 85 | 8 | - | - | - | 0 | 0 | - |
| | Scilly (St. Mary's) | 163 | 1039·6 | -10 | ENE | 3 | b | 45 | 85 | 7 | - | - | - | 0 | 0 | - |
| | Guernsey .. | 175 | 1038·3 | -2 | - | 0 | b | 43 | 75 | 9 | - | - | - | 0 | 0 | - |
| 6 | Pembroke ... | 142 | 1039·8 | -2 | NE'N | 4 | b | 44 | 85 | 7 | - | - | - | 0 | 0 | - |
| 7 | Holyhead ... | 26 | 1041·9 | +6 | - | 0 | b | 43 | 85 | 7 | - | - | - | 0 | 0 | - |
| | Chester(Sealand) | 16 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 8 | Manchester ... | 70 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 10 | Spurn Head ... | 29 | 1040·8 | -2 | N'W | 2 | bc | 40 | 97 | 7 | - | - | 8 | 0 | 4·6 | - |
| | Catterick ... | 175 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Tynemouth ... | 108 | 1040·9 | -8 | WSW | 2 | m | 39 | 97 | 4 | 5 | - | - | 2·3 | 2·3 | 800 |
| 11 | St Abbs Head . | 290 | 1042·1 | -8 | NW | 2 | b | 45 | 65 | 5 | - | - | - | 0 | 0 | - |
| | Leuchars ... | 36 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 12 | Renfrew (Abbots‡) | 19 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Eskdalemuir ... | 794 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Point of Ayre... | 30 | 1041·4 | 0 | WNW | 3 | b | 37 | 97 | 7 | - | - | - | 0 | 0 | - |
| 13A | Tiree ... | 22 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 13B | Stornoway ... | 80 | 1041·1 | -2 | - | 0 | b | 40 | 92 | 6 | 5 | - | - | 1 | 1 | 4000 |
| 15 | Dalwhinnie ... | 1176 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Aberdeen ... | 79 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Wick ... | 81 | 1040·6 | -4 | W | 1 | bc | 39 | 97 | 5 | 5 | 1 | - | 2·3 | 2·3 | 800 |
| 16 | Lerwick .. | 156 | 1037·7 | -10 | WSW | 5 | bc | 46 | 92 | 8 | 5 | 7 | - | 2·3 | 4·6 | 1500 |
| 17 | Blacksod Point | 18 | 1041·0 | 0 | - | 0 | b | 45 | 92 | 7 | - | - | - | 0 | 0 | - |
| 18 | Malin Head ... | 84 | 1042·0 | +2 | SW'W | 1 | b | 39 | 92 | 7 | - | - | - | 0 | 0 | - |
| | Aldergrove ... | 268 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 19 | Birr Castle ... | 173 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 20 | Valentia Obsy. † | 30 | 1040·9 | 0 | SE | 3 | b | 44 | 97 | 8 | - | - | - | 0 | 0 | - |
| | Roches Point | 22 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |

### OBSERVATIONS at 7 hr. G.M.T. 12th April

| Stations | Barom. at M.S.L. mb. (15) | Change in 3 hours (16) | Wind Direc. (17) | Wind Force 0-12 (18) | Weather (19) | Temp. °F. (20) | Humid. % (21) | Visibility 0-9 (22) | Cloud Form Low (23) | Cloud Form Med. (24) | Cloud Form High (25) | Cloud Amount Low 0-10 (26) | Cloud Amount Total 0-10 (27) | Height of Base (feet) (28) | State of Ground 0-9 (29) | Sea 0-9 (30) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| London (Kew) | 1039·7 | +4 | NNW | 1 | m | 37 | 85 | 4 | 5 | - | -$ | 9 | 9 | 4000 | 0 | * |
| Croydon ... | 1039·5 | 0 | - | 0 | m | 37 | 92 | 4 | 5 | - | - | 9+ | 9+ | 1500 | 0 | * |
| S. Farnborough | 1040·3 | +6 | - | 0 | bf | 26 | 97 | 1 | - | - | - | 0 | 0 | - | 0 | * |
| Boscombe Down | 1039·9 | +6 | NNE | 2 | $z_o$ | 34 | 85 | 5 | - | - | - | 0 | 0 | - | 0 | * |
| Calshot (Sthmtn.) | 1039·4 | +6 | N'E | 2 | $z_o$ | 38 | 85 | 6 | 4 | 4 | - | Tr | Tr | 4000 | 1 | 2 |
| Lympne ... | 1039·3 | +2 | NNE | 3 | c | 40 | 75 | 8 | 5 | - | - | 10 | 10 | 1500 | 0 | §1 |
| Manston ... | 1038·8 | 0 | NE | 3 | c | 43 | 75 | 7 | 5 | - | - | 10 | 10 | 1500 | 0 | * |
| Shoeburyness... | 1039·0 | 0 | N'W | 3 | c | 41 | 85 | 7 | 5 | - | - | 9+ | 9+ | 2500 | 0 | * |
| Felixstowe ... | 1039·1 | 0 | NW'N | 2 | c | 42 | 85 | 7 | 5 | - | - | 9+ | 9+ | 2500 | 1 | 2 |
| Gorleston ... | 1039·1 | -2 | NW'W | 3 | bc | 42 | 85 | 6 | 5 | - | - | 2·3 | 2·3 | 2500 | 0 | 2 |
| Mildenhall ... | 1040·0 | +2 | - | 0 | $z_o$ | 34 | 97 | 6 | 5 | - | - | 9+ | 9+ | 1500 | 0 | * |
| Cranwell ... | 1040·3 | 0 | W'S | 1 | bf- | 34 | 97 | 2 | - | - | - | 0 | 0 | - | 0 | * |
| Birmingham ... | 1040·7 | 0 | NNE | 2 | bf | 40 | 75 | 3 | - | - | - | 0 | 0 | - | 0 | * |
| Upper Heyford | 1040·6 | +6 | NE | 2 | $z_o$ | 36 | 85 | 5 | - | - | 1 | 0 | Tr | - | 0 | * |
| Ross-on-Wye | 1040·2 | 0 | NW | 1 | m | 35 | 85 | 4 | - | - | - | 0 | 0 | - | 0 | * |
| Bristol ... | 1040·1 | +2 | - | 0 | m | 36 | 92 | 4 | - | - | - | 0 | 0 | - | 0 | * |
| Portland Bill ... | 1038·3 | +6 | NE | 3 | b | 44 | 85 | 7 | - | - | - | 0 | 0 | - | 0 | 3 |
| Plymouth ... | 1038·4 | +2 | NE | 1 | $z_o$ | 41 | 85 | 5 | - | - | - | 0 | 0 | - | 1 | 0 |
| The Lizard ... | 1037·9 | 0 | NE'N | 3 | bc | 45 | 75 | 7 | 7 | - | - | 2·3 | 2·3 | 4000 | 0 | 2 |
| Scilly (St. Mary's) | 1038·6 | +4 | NE'E | 3 | $z_o$ | 46 | 92 | 6 | - | - | - | 0 | 0 | - | 0 | 2 |
| Guernsey .. | 1037·8 | +4 | NE | 3 | c | 45 | 75 | 7 | 8 | - | - | 7·8 | 7·8 | 2500 | 0 | 2 |
| Pembroke ... | 1038·3 | -8 | NE | 3 | $z_o$ | 43 | 85 | 6 | - | - | - | 0 | 0 | - | 10 | 2 |
| Holyhead ... | 1040·5 | -2 | SE'S | 2 | b | 41 | 97 | 5 | - | - | 8 | 0 | 1 | - | 0 | 0 |
| Chester(Sealand) | 1040·9 | +4 | - | 0 | m/f | 31 | 85 | 4 | - | - | - | 0 | 0 | - | 0 | * |
| Manchester ... | 1040·8 | +4 | - | 0 | F | 29 | 97 | 0 | - | - | - | 10 | 10 | <150 | 1 | * |
| Spurn Head ... | 1040·2 | 0 | N'W | 2 | bf+ | 41 | 97 | 3 | - | - | - | 0 | 0 | - | 1 | 0 |
| Catterick ... | 1040·4 | +2 | - | 0 | $z_o$ | 32 | 92 | 5 | - | - | 4 | 0 | Tr | - | 3 | * |
| Tynemouth ... | 1039·8 | +4 | W | 2 | m | 42 | 75 | 4 | 5 | - | - | 2·3 | 2·3 | 800 | 0 | 1 |
| St Abbs Head . | 1039·6 | -4 | E | 1 | b | 45 | 75 | 5 | - | - | - | 0 | 0 | - | 0 | 1 |
| Leuchars ... | 1039·9 | 0 | W | 1 | b | 38 | 85 | 6 | - | - | - | 0 | 0 | - | 0 | * |
| Renfrew (Abbots‡) | 1040·3 | -4 | - | 0 | bf- | 30 | 92 | 3 | - | - | - | 0 | 0 | - | 0 | * |
| Eskdalemuir ... | 1041·0 | -2 | - | 0 | b | 30 | 97 | 5 | - | - | - | 0 | 0 | - | 0 | * |
| Point of Ayre... | 1040·5 | -2 | WNW | 1 | b | 37 | 97 | 6 | - | - | - | 0 | 0 | - | 1 | 1 |
| Tiree ... | 1040·8 | 0 | NNW | 1 | c | 45 | 85 | 8 | 5 | - | - | 9+ | 9+ | 2500 | 0 | 1 |
| Stornoway ... | 1040·1 | 0 | SSW | 3 | c | 45 | 85 | 7 | 5 | 7 | - | 7-8 | 10 | 2500 | 1 | 2 |
| Dalwhinnie ... | * | 0 | - | 0 | m | 28 | 92 | 4 | - | - | - | 0 | 0 | - | 5 | * |
| Aberdeen ... | 1039·4 | -2 | NW | 3 | b | 41 | 85 | 6 | - | - | - | 0 | 0 | - | 0 | 1 |
| Wick ... | 1039·3 | -6 | W | 2 | bc | 40 | 97 | 6 | 5 | 1 | 9 | 2·3 | 4·6 | 800 | 1 | 1 |
| Lerwick .. | 1035·6 | -8 | WSW | 5 | c | 47 | 85 | 8 | 8 | 7 | - | 4·6 | 7·8 | 1500 | 0 | * |
| Blacksod Point | 1040·6 | 0 | - | 0 | b | 43 | 97 | 8 | - | - | - | 0 | 0 | - | 0 | 0 |
| Malin Head ... | 1041·9 | +2 | SSE | 1 | b | 40 | 92 | 7 | - | - | - | 0 | 0 | - | 0 | 1 |
| Aldergrove ... | 1040·7 | -10 | - | 0 | $z_o$ | 32 | 97 | 6 | - | - | - | 0 | 0 | - | 0 | * |
| Birr Castle ... | 1041·1 | +4 | SSE | 1 | b | 32 | 97 | 7 | - | - | - | 0 | 0 | - | 0 | * |
| Valentia Obsy. † | 1040·4 | +2 | NE'E | 1 | b | 35 | 92 | 8 | - | - | - | 0 | 0 | - | 0 | 1 |
| Roches Point | 1040·5 | * | NE | 3 | b | 39 | 97 | 7 | - | - | - | 0 | 0 | - | 0 | 2 |

### PAST 24 HOURS.

| Stations | Temperature Max. Day 7h-18h °F. (31) | Temperature Min. Night 18h-7h °F (32) | Temperature Min. on Grass °F. (33) | Rainfall Day 7h-18h mm. (34) | Rainfall Night 18h-7h mm. (35) | Sunshine 18th Hrs. (36) |
|---|---|---|---|---|---|---|
| London (Kew) | 55 | 33 | 21 | - | Tr | 10·5 |
| Croydon ... | 54 | 30 | 24 | - | - | 8·1 |
| S. Farnborough | 56 | 22 | 12 | - | Tr | 11·1 |
| Boscombe Down | 55 | 29 | 26 | - | - | 10·8 |
| Calshot (Sthmtn.) | 56 | 37 | 33 | - | - | 11·8 |
| Lympne ... | 49 | 30 | 25 | - | - | 12·1 |
| Manston ... | 47 | 35 | 25 | - | - | 11·8 |
| Shoeburyness... | 48 | 33 | 26 | - | - | 11·8 |
| Felixstowe ... | 48 | 34 | 26 | - | - | 11·7 |
| Gorleston ... | 47 | 40 | 39 | - | - | 6·8 |
| Mildenhall ... | 55 | 27 | 22 | - | Tr | 11·4 |
| Cranwell ... | 58 | 30 | 20 | - | Tr | 10·8 |
| Birmingham ... | 56 | 35 | 22 | - | - | 7·9 |
| Upper Heyford | 56 | 31 | 25 | - | - | * |
| Ross-on-Wye | 58 | 32 | 22 | - | - | 10·9 |
| Bristol ... | 55 | 33 | 20 | - | - | 10·8 |
| Portland Bill ... | 51 | 41 | * | - | - | * |
| Plymouth ... | 54 | 40 | 26 | - | Tr | 11·8 |
| The Lizard ... | 53 | 41 | * | - | - | 11·6 |
| Scilly (St. Mary's) | 54 | 40 | * | - | - | 11·7 |
| Guernsey .. | 51 | 42 | 32 | - | - | 12·3 |
| Pembroke ... | 51 | 41 | * | - | - | 10·8 |
| Holyhead ... | 52 | 41 | 27 | - | Tr | 11·2 |
| Chester(Sealand) | 54 | 29 | 24 | - | - | 10·0 |
| Manchester ... | 56 | 26 | 24 | - | - | 6·5 |
| Spurn Head ... | 52 | 39 | * | - | Tr | 11·0 |
| Catterick ... | 58 | 27 | 22 | - | - | 10·4 |
| Tynemouth ... | 50 | 37 | 31 | - | - | 10·1 |
| St Abbs Head . | 49 | 41 | * | - | - | * |
| Leuchars ... | 55 | 32 | 21 | - | - | 11·9 |
| Renfrew (Abbots‡) | 60 | 27 | 25 | - | - | 10·2 |
| Eskdalemuir ... | 59 | 27 | 21 | - | - | 11·1 |
| Point of Ayre... | 53 | 34 | * | - | - | 11·6 |
| Tiree ... | 51 | 37 | 31 | - | - | 10·7 |
| Stornoway ... | 54 | 40 | * | - | - | 10·7 |
| Dalwhinnie ... | 61 | 25 | 14 | - | - | 10·8 |
| Aberdeen ... | 53 | 34 | 28 | - | - | 11·8 |
| Wick ... | 50 | 34 | * | - | - | * |
| Lerwick .. | 51 | 45 | * | - | - | 8·4 |
| Blacksod Point | 53 | 39 | * | - | - | * |
| Malin Head ... | 49 | 36 | * | - | - | 11·1 |
| Aldergrove ... | 58 | 30 | 25 | - | - | 12·1 |
| Birr Castle ... | 59 | 31 | * | - | - | 11·7 |
| Valentia Obsy. † | 57 | 33 | 27 | - | Tr | 11·9 |
| Roches Point | 55 | 38 | * | - | Tr | * |

### LONDON OBSERVATIONS

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations except for rainfall which is 9h—18h.

| | Height above M.S.L. in feet | Weather Morning (24 hrs. ended 9h.) | Weather Afternoon | Weather Night | Temperature Day Max. °F. | Temperature Night Min. °F. | Temperature Min. on Grass °F. | Rainfall Day mm. | Rainfall Night mm. | Sunshine to Sunset hrs (Yesterday) | Humidity 15h. G.M.T % (Yesterday) | Humidity 9h. G.M.T % (To-day) | Visibility 9h. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kew... | 18 | bcbz$_o$y | bcbz$_o$y | bybz$_o$ | 55 | 33 | 21 | - | Tr | 10·5 | * | * | 5 |
| Croydon ... | 217 | bcmfz$_o$y | bz$_o$y | byzmx | 54 | 30 | 24 | - | - | 8·1 | * | * | 6 |
| Greenwich (Royal Observatory)... | 149 | by | by | bxc | 55 | 33 | 19 | - | Tr | 9·7 | 40 | 69 | 6 |
| City (Bunhill Row) ... | — | * | * | * | * | * | * | * | * | 10·0 | * | * | * |
| Westminster (St. James' Park) ... | 27 | * | * | * | 57 | 38 | 31 | - | - | 9·7 | 43 | 71 | * |
| Regents Pk. (Botanic Gardens)‡... | 166 | * | * | * | 56 | 34 | 26 | - | - | 9·9 | 68 | 74 | * |
| Camden Square ... | 110 | b | b | * | 58 | 36 | 24 | - | - | * | * | 71 | * |
| Kensington ... | 80 | bcz | b | * | 56 | 35 | 26 | - | - | 10·6 | At 18h. 49 | 71 | * |
| Hampstead Observatory ... | 450 | bbc | b | b | 53 | 38 | 27 | - | - | 11·4 | * | 86 | * |

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. 12th

| | Max. | Time. | Min. | Time. |
|---|---|---|---|---|
| South Kensington. | 0·3 | 20-21h 11th. | <0·3 | 12-13h 11th. |
| Kew Observatory. | 0·6 | 8h 11th. | <0·1 | 11-15h 11th. |

### FOREIGN OBSERVATIONS.

18h. G.M.T. 11th April

| Stations | Barom. mb. | Wind Direc. | Wind Force | Weather | Temp. °F. |
|---|---|---|---|---|---|
| Paris ... | 1035·5 | NNE | 2 | b | 52 |
| Brussels ... | 1037·9 | NE | 4 | o | 45 |
| Berlin ... | 1032·7 | NNW | 3 | c | 50 |
| Zurich ... | 1031·9 | E | 1 | bc | 39 |
| Rome ... | | | | | |

7h. G.M.T. 12th April

| Stations | Barom. mb. | Wind Direc. | Wind Force | Weather | Temp. °F. | Past 24 Hours Max. Day °F. | Min. Night °F. | Rainfall Day mm. | Rainfall Night mm. |
|---|---|---|---|---|---|---|---|---|---|
| Paris ... | 1035·3 | N | 3 | bc | 39 | 55 | 34 | - | - |
| Brussels ... | 1037·0 | NE | 2 | o | 41 | 50 | 39 | - | - |
| Berlin ... | 1033·0 | W'N | 3 | $z_o$ | 41 | 52 | 37 | - | - |
| Zurich ... | 1028·6 | E | 2 | b | 34 | 46 | 30 | - | - |
| Rome ... | 1011·7 | NE | 5 | c | 46 | * | * | | * |

### EXPLANATION OF FIGURES, LETTERS, etc.

**COLUMNS 2, 16.**
The barometric tendency is expressed in tenths of a millibar.

**COLUMNS 4, 18.**
The Beaufort Scale of Wind is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers is the speed at about 30 feet above the ground.

| Beaufort No | Statute m/h. | Beaufort No. | Statute m/h. | Beaufort No. | Statute m/h. |
|---|---|---|---|---|---|
| 0 | <1 | 4 | 13–18 | 9 | 47–54 |
| 1 | 1–3 | 5 | 19–24 | 10 | 55–63 |
| 2 | 4–7 | 6 | 25–31 | 11 | 64–75 |
| 3 | 8–12 | 7 | 32–38 | 12 | > 75 |
| | | 8 | 39–46 | | |

**COLUMNS 34, 35.**
Tr. = rain has fallen, but amount less than 0·1 mm.

**COLUMNS 8, 22.—Code for surface visibility.**

| | | Objects not visible at |
|---|---|---|
| 0 | Dense fog | 55 yards. |
| 1 | Thick fog | 220 ,, |
| 2 | Fog | 550 ,, |
| 3 | Moderate fog | 1,100 ,, |
| 4 | Mist or haze | 1¼ miles. |
| 5 | Poor visibility | 2½ ,, |
| 6 | Moderate ,, | 6½ ,, |
| 7 | Good ,, | 12½ ,, |
| 8 | Very good ,, | 31 ,, |
| 9 | Excellent ,, | beyond 31m. |

**COLUMN 30.—Code for State of Sea.**

| | | | |
|---|---|---|---|
| 0 | Calm. | 5 | Very rough. |
| 1 | Smooth. | 6 | High. |
| 2 | Slight. | 7 | Very high. |
| 3 | Moderate. | 8 | Precipitous. |
| 4 | Rough. | 9 | Confused. |

TERMS OF SUBSCRIPTION. { Single Copies, 1d. each: by post 1½d. / 2/6 per month; 6/6 per quarter; 25/- per year.

METEOROLOGICAL OFFICE, AIR MINISTRY, ADASTRAL HOUSE, KINGSWAY, LONDON, W.C.2.

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S., Director.

† 1 hr. observations are from Valentia W/T Station. ‡ Maximum and Minimum Temperatures are for the 24 hours ending 8 h. § Sea disturbance reported from Dungeness.

AIR MINISTRY.

# THE DAILY WEATHER REPORT

## OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Wednesday 13th April 1938
No. 27901

### OBSERVATIONS at 13h. G.M.T. 12th April

| District | Stations (For heights see p. 4.) | Barom. at M.S.L. mb. (1) | Change in 3 hours. (2) | Wind. Direc. (3) | Wind. Force 0–12 (4) | Weather. (5) | °Temp. (6) | % Humid. (7) | Visibility 0–9 (8) | Cloud. Form. Low (9) | Form. Med. (10) | Form. High (11) | Amount. Low 0–10 (12) | Amount. Total 0–10 (13) | Height of Base (feet) (14) | Sunshine Hrs. (30) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | London (Kew) | 1036·1 | -22 | NE | 4 | $Z_o$ | 55 | 45 | 6 | - | - | - | 0 | 0 | - | 10·5 |
| | Croydon ... | 1036·0 | -24 | NNE | 3 | $Z_o$ | 54 | 65 | 6 | - | - | - | 0 | 0 | - | 8·1 |
| | S. Farnborough | 1036·0 | -26 | NE'E | 3 | $Z_o$ | 56 | 45 | 6 | - | - | - | 0 | 0 | - | 11·1 |
| | Boscombe Down | 1036·0 | -24 | NE'N | 3 | b | 56 | 35 | 7 | - | - | - | 0 | 0 | - | 10·8 |
| | Calshot (Sthmtn.) | 1036·0 | -26 | SE | 2 | $Z_o$ | 53 | 65 | 6 | - | - | - | 0 | 0 | - | 11·8 |
| | Lympne ... | 1036·1 | -18 | NNE | 5 | b | 50 | 65 | 7 | 1 | - | 1 | 1 | 1 | 2500 | 12·1 |
| | Manston ... | 1036·0 | -20 | NE'E | 4 | bc | 49 | 75 | 7 | 1 | - | - | 2-3 | 2-3 | 1500 | 11·8 |
| 2 | Shoeburyness ... | 1036·1 | -20 | SE | 3 | b | 50 | 75 | 8 | - | - | - | 0 | 0 | - | 11·8 |
| | Felixstowe ... | 1036·7 | -14 | ENE | 3 | b | 53 | 65 | 8 | 1 | 4 | - | Tr | Tr | 4000 | 11·7 |
| | Gorleston ... | 1036·5 | -8 | N'W | 4 | bc | 51 | 65 | 6 | 2 | - | 4 | 1 | 2-3 | 4000 | 6·8 |
| | Mildenhall ... | 1036·5 | -22 | N'E | 4 | b | 58 | 45 | 8 | - | - | 4 | 0 | 1 | - | 11·4 |
| | Cranwell ... | 1037·5 | -22 | NW'N | 2 | b | 58 | 35 | 7 | - | - | 5 | 0 | Tr | - | 10·8 |
| 3 | Birmingham ... | 1036·3 | -16 | NE | 2 | $Z_o$ | 59 | 35 | 6 | - | - | - | 0 | 0 | - | 7·9 |
| | Upper Heyford | 1036·8 | -22 | NE | 2 | $Z_o$ | 57 | 45 | 6 | - | - | - | 0 | 0 | - | * |
| 4 | Ross-on-Wye | 1036·2 | -26 | SSE | 2 | $Z_o$ | 59 | 35 | 6 | - | - | - | 0 | 0 | - | 10·9 |
| 5 | Bristol ... | 1036·4 | -26 | NE | 4 | $Z_o$ | 58 | 45 | 6 | - | - | - | 0 | 0 | - | 10·8 |
| | Portland Bill ... | 1035·9 | -20 | ESE | 3 | b | 48 | 76 | 7 | - | - | - | 0 | 0 | - | * |
| | Plymouth ... | 1035·8 | -20 | S | 3 | b | 53 | 75 | 7 | - | - | - | 0 | 0 | - | 11·8 |
| | The Lizard ... | 1036·1 | -8 | E | 4 | bc | 53 | 75 | 7 | 7 | - | - | 2-3 | 2-3 | 4000 | 11·6 |
| | Scilly (St. Mary's) | 1036·5 | -10 | E'S | 3 | $Z_o$ | 55 | 75 | 6 | - | - | - | 0 | 0 | - | 11·7 |
| | Guernsey ... | 1035·3 | -18 | NE | 5 | c | 47 | 75 | 7 | 8 | - | - | 9+ | 9+ | 2500 | 12·3 |
| 6 | Pembroke ... | 1037·2 | -12 | NW | 3 | $Z_o$ | 54 | 75 | 6 | - | - | - | 0 | 0 | - | 10·8 |
| 7 | Holyhead ... | 1038·2 | -18 | NW'N | 2 | b | 50 | 35 | 6 | - | - | - | 0 | 0 | - | 11·2 |
| | Chester (Sealand) | 1037·7 | -16 | NW'W | 3 | $Z_o$ | 57 | 55 | 6 | - | - | - | 0 | 0 | - | 10·0 |
| 8 | Manchester ... | 1036·8 | -30 | W'N | 3 | $Z_o$ | 61 | 55 | 5 | - | - | - | 0 | 0 | - | 6·5 |
| 10 | Spurn Head ... | 1037·7 | -12 | S | 2 | b | 51 | 85 | 7 | - | - | 8 | 0 | Tr | - | 11·0 |
| | Catterick ... | 1036·6 | -26 | NE | 1 | $Z_o$ | 63 | 35 | 6 | - | - | 1 | 0 | Tr | - | 10·4 |
| | Tynemouth ... | 1037·4 | -18 | ENE | 2 | bc$Z_o$ | 51 | 75 | 5 | 5 | - | - | 2-3 | 2-3 | 800 | 10·1 |
| 11 | St. Abbs Head . | 1037·3 | -8 | N | 2 | b | 47 | 85 | 6 | - | - | - | 0 | 0 | - | * |
| | Leuchars ... | 1038·1 | -10 | E | 3 | $Z_o$ | 53 | 65 | 6 | - | - | 1 | 0 | Tr | - | 11·9 |
| 12 | Renfrew (Abbotsl.) | 1037·7 | -18 | NW'N | 3 | $Z_o$ | 55 | 65 | 6 | - | - | 1 | 0 | Tr | - | 10·2 |
| | Eskdalemuir ... | 1036·3 | -14 | NW | 2 | $Z_o$ | 61 | 35 | 6 | - | - | - | 0 | 0 | - | 11·1 |
| | Point of Ayre ... | 1038·6 | -14 | NW'W | 3 | b | 55 | 75 | 6 | - | - | - | 0 | 0 | - | 11·6 |
| 13a | Tiree ... ... | 1039·9 | -4 | NW'N | 2 | c | 50 | 65 | 8 | 5 | - | - | 9+ | 9+ | 4000 | 10·7 |
| 13b | Stornoway ... | 1038·2 | -4 | W | 3 | c | 50 | 75 | 8 | 5 | 7 | - | 7-8 | 10 | 2500 | 10·7 |
| 15 | Dalwhinnie ... | 1037·9 | -10 | NW | 3 | bc | 55 | 45 | 8 | - | - | 4 | 0 | 4-6 | — | 10·8 |
| | Aberdeen ... | 1037·3 | -16 | N | 3 | b | 57 | 55 | 6 | 1 | - | 1 | Tr | Tr | 4000 | 11·8 |
| | Wick ... | 1037·6 | -10 | WNW | 4 | c | 50 | 75 | 8 | 5 | 2 | - | 7-8 | 9+ | 1500 | * |
| 16 | Lerwick ... | 1033·7 | -8 | W | 5 | pr | 49 | 92 | 7 | 8 | 7 | - | 7-8 | 9 | 1500 | 8·4 |
| 17 | Blacksod Point | 1039·1 | -12 | - | 0 | b | 57 | 75 | 8 | - | - | - | 0 | 0 | - | * |
| 18 | Malin Head ... | 1040·6 | -4 | N'E | 2 | bc | 49 | 75 | 7 | 7 | 4 | - | 2-3 | 2-3 | 4000 | 11·1 |
| | Aldergrove ... | 1039·4 | -14 | NW | 2 | b | 57 | 45 | 7 | - | - | - | 0 | 0 | - | 12·1 |
| 19 | Birr Castle ... | 1038·6 | -12 | SSE | 1 | b | 52 | 75 | 7 | - | - | - | 0 | 0 | - | 11·7 |
| 20 | Valentia Obsy. † | 1038·2 | -16 | NW | 3 | b | 56 | 45 | 8 | - | - | - | 0 | 0 | - | 11·9 |
| | Roches Point | 1038·3 | * | SE | 3 | b | 52 | 65 | 8 | - | - | - | 0 | 0 | - | * |

### OBSERVATIONS at 18h. G.M.T. 12th April

| District | Stations | Barom. at M.S.L. mb. (15) | Change in 3 hours. (16) | Wind. Direc. (17) | Wind. Force 0–12 (18) | Weather. (19) | °Temp. (20) | % Humid. (21) | Visibility 0–9 (22) | Cloud. Form. Low. (23) | Form. Med. (24) | Form. High. (25) | Amount. Low 0–10 (26) | Amount. Total 0–10 (27) | Height of Base (feet) (28) | State of Ground. 0–9 (29) | Sea. 0–9 (30) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | London (Kew) | 1033·0 | -10 | E | 3 | $Z_o$ | 57 | 55 | 5 | - | - | - | 0 | 0 | - | 0 | * |
| | Croydon ... | 1032·8 | -14 | E | 2 | $Z_o$ | 55 | 65 | 6 | - | - | - | 0 | 0 | - | 0 | * |
| | S. Farnborough | 1032·8 | -10 | NNE | 3 | b | 59 | 45 | 7 | - | - | - | 0 | 0 | - | 0 | * |
| | Boscombe Down | 1033·1 | -10 | NE | 2 | b | 57 | 45 | 7 | - | - | - | 0 | 0 | - | 0 | * |
| | Calshot (Sthmtn.) | 1032·9 | -12 | SSW | 2 | $Z_o$ | 53 | 75 | 6 | - | - | - | 0 | 0 | - | 0 | 1 |
| | Lympne ... | 1033·4 | -6 | NNE | 4 | b | 46 | 75 | 7 | - | - | 3 | 0 | Tr | - | 0 | § 3 |
| | Manston ... | 1033·2 | -16 | NE | 4 | b | 45 | 85 | 6 | - | - | 1 | 0 | 1 | - | 0 | * |
| 2 | Shoeburyness ... | 1033·7 | -12 | NE | 3 | b | 48 | 75 | 8 | - | - | 3 | 0 | Tr | - | 0 | * |
| | Felixstowe ... | 1033·9 | -12 | NE'N | 2 | b | 52 | 65 | 7 | - | - | 1 | 0 | Tr | - | 0 | 2 |
| | Gorleston ... | 1034·0 | -16 | N'W | 3 | b | 50 | 75 | 7 | - | - | - | 0 | 0 | - | 0 | 2 |
| | Mildenhall ... | 1033·4 | -14 | N'E | 2 | b | 56 | 45 | 8 | - | - | - | 0 | 0 | - | 0 | * |
| | Cranwell ... | 1034·2 | -12 | SE | 3 | b | 56 | 46 | 8 | - | 5 | - | 0 | 1 | - | 0 | * |
| 3 | Birmingham ... | 1033·2 | -14 | ENE | 2 | m | 57 | 35 | 4 | - | - | - | 0 | 0 | - | 0 | * |
| | Upper Heyford | 1034·0 | -6 | NE | 1 | b | 58 | 45 | 7 | - | - | - | 0 | 0 | - | 0 | * |
| 4 | Ross-on-Wye | 1033·3 | -16 | E | 2 | $Z_o$ | 59 | 45 | 6 | - | - | - | 0 | 0 | - | 0 | * |
| 5 | Bristol ... | 1033·4 | -10 | ENE | 2 | $Z_o$ | 59 | 45 | 7 | - | - | - | 0 | 0 | - | 0 | * |
| | Portland Bill ... | 1033·8 | -16 | W | 2 | b | 46 | 85 | 7 | - | - | - | 0 | 0 | - | 0 | 2 |
| | Plymouth ... | 1034·0 | -6 | SSW | 2 | b | 48 | 85 | 7 | - | - | - | 0 | 0 | - | 0 | 2 |
| | The Lizard ... | 1033·7 | -10 | E | 1 | b | 49 | 85 | 7 | - | - | - | 0 | 0 | - | 0 | 1 |
| | Scilly (St. Mary's) | 1034·0 | -8 | N'E | 1 | b | 51 | 75 | 6 | - | - | - | 0 | 0 | - | 0 | 1 |
| | Guernsey ... | 1032·8 | -20 | NE'E | 2 | b | 47 | 75 | 7 | - | 1 | - | 0 | Tr | - | 0 | 3 |
| 6 | Pembroke ... | 1034·0 | -14 | N | 4 | $Z_o$ | 53 | 65 | 6 | - | - | - | 0 | 0 | - | 0 | 1 |
| 7 | Holyhead ... | 1035·5 | -12 | NNW | 1 | b | 48 | 85 | 6 | - | - | - | 0 | 0 | - | 0 | 1 |
| | Chester (Sealand) | 1035·2 | -10 | WNW | 4 | $Z_o$ | 50 | 75 | 5 | - | - | - | 0 | 0 | - | 0 | * |
| 8 | Manchester ... | 1034·3 | -10 | NW'W | 3 | $Z_o$ | 55 | 65 | 5 | - | - | - | 0 | 0 | - | 1 | * |
| 10 | Spurn Head ... | 1034·8 | -24 | E'S | 1 | bc | 47 | 92 | 7 | - | - | 8 | 0 | 2-3 | - | 0 | 1 |
| | Catterick ... | 1034·3 | -14 | N | 2 | $Z_o$ | 55 | 45 | 6 | - | - | - | 0 | 0 | - | 0 | * |
| | Tynemouth ... | 1035·3 | -8 | NE | 2 | bc | 47 | 92 | 6 | 5 | - | - | 2-3 | 2-3 | 800 | 0 | 1 |
| 11 | St. Abbs Head . | 1035·9 | -6 | SSE | 1 | b | 46 | 85 | 6 | - | - | - | 0 | 0 | - | 0 | 1 |
| | Leuchars ... | 1036·0 | -10 | E | 2 | bc | 49 | 85 | 6 | - | - | 1 | 0 | 2-3 | - | 0 | * |
| 12 | Renfrew (Abbotsl.) | 1034·9 | -14 | NW'W | 3 | bc | 55 | 55 | 7 | - | - | 6 | 0 | 4-6 | - | 0 | * |
| | Eskdalemuir ... | 1033·9 | -10 | W'N | 2 | $Z_o$ | 57 | 45 | 6 | - | - | - | 0 | 0 | - | 0 | * |
| | Point of Ayre ... | 1036·1 | -18 | NW'W | 4 | b | 51 | 92 | 7 | - | - | - | 0 | 0 | - | 0 | 2 |
| 13a | Tiree ... ... | 1037·5 | -10 | NW'N | 2 | c | 48 | 75 | 8 | 5 | - | - | 9+ | 9+ | 4000 | 0 | 2 |
| 13b | Stornoway ... | 1036·9 | -4 | W | 3 | c | 48 | 75 | 8 | 5 | 7 | - | 4-6 | 10 | 1500 | 1 | 2 |
| 15 | Dalwhinnie ... | 1035·3 | -12 | NW | 3 | c | 52 | 55 | 8 | 4 | - | 9 | 2-3 | 9+ | 4000 | 0 | * |
| | Aberdeen ... | 1035·7 | -4 | N | 2 | bc | 52 | 65 | 7 | 5 | 7 | 2 | Tr | 4-6 | 4000 | 0 | 1 |
| | Wick ... | 1035·7 | -8 | WNW | 4 | c | 48 | 85 | 7 | 5 | 2 | - | 7-8 | 10 | 1500 | 1 | 2 |
| 16 | Lerwick ... | 1031·8 | -10 | W | 5 | c | 48 | 92 | 5 | 5 | 2 | - | 9 | 10 | 450 | 1 | * |
| 17 | Blacksod Point | 1037·3 | -10 | N'E | 2 | b | 54 | 85 | 7 | - | - | - | 0 | 0 | - | 0 | 3 |
| 18 | Malin Head ... | 1038·5 | -10 | N | 2 | bc | 48 | 85 | 8 | 7 | - | 9 | 2-3 | 4-6 | 4000 | 0 | 1 |
| | Aldergrove ... | 1037·2 | -10 | NE'N | 3 | b | 52 | 65 | 7 | - | - | - | 0 | 0 | - | 0 | * |
| 19 | Birr Castle ... | 1035·7 | -10 | NE | 1 | b | 61 | 45 | 7 | - | - | - | 0 | 0 | - | 0 | * |
| 20 | Valentia Obsy. † | 1035·8 | -10 | - | 0 | b | 55 | 75 | 7 | - | - | - | 0 | 0 | - | 0 | 1 |
| | Roches Point | 1035·8 | * | ESE | 1 | b | 51 | 75 | 8 | - | - | - | 0 | 0 | - | 0 | 1 |

### PAST 24 HOURS.

| District | Stations | Weather. 7h.—13h. 12th (37) | 13h.—18h. 12th (38) | 18h. 12th to 1h. 13th (39) | 1h.—7h. 13th (40) |
|---|---|---|---|---|---|
| 1 | London (Kew) | bcbz$_o$y | bybz$_o$y | bz$_o$bm$_o$x | bmx |
| | Croydon ... | cmfbcz$_o$ | bz$_o$y | bz$_o$m$_o$wx | bmxbf |
| | S. Farnborough | bFcby | bz$_o$yby | pbfx | bFm |
| | Boscombe Down | by | by | byz$_o$ | bz$_o$xb |
| | Calshot (Sthmtn.) | bm$_o$bcbz$_o$ | bz$_o$y | bz$_o$bwm$_o$ | bwm$_o$bm |
| | Lympne ... | c | b | bm$_o$w | bm$_o$w |
| | Manston ... | cbc | bcbz$_o$ | bz$_o$m$_o$x | bwxm$_o$b |
| 2 | Shoeburyness ... | cbcb | b | bw | bx |
| | Felixstowe ... | cbcb | b | pbz$_o$ | bwxb |
| | Gorleston ... | bcq | bcbq | bz$_o$ | bcz$_o$ |
| | Mildenhall ... | cm$_o$bcby | by | bybx | bxbf$_g$bFfx |
| | Cranwell ... | bfemm$_o$b | by | byb | bz$_o$xbm |
| 3 | Birmingham ... | fbz | bz | bm | bf |
| | Upper Heyford | bz$_o$ | bz$_o$ | bz$_o$ | bmf |
| 4 | Ross-on-Wye | bmbyz | byz$_o$ | bzm | bfmx |
| 5 | Bristol ... | bmz$_o$y | bz$_o$y | bz$_o$ym$_o$ | bm$_o$xm |
| | Portland Bill ... | b | b | b | bbc |
| | Plymouth ... | bm$_o$bz$_o$y | b | bm$_o$ | bm$_o$wx |
| | The Lizard ... | bcz$_o$ | bcb | bw | bwbc |
| | Scilly (St. Mary's) | bz$_o$ | bz$_o$b | bwyw | bz$_o$w |
| | Guernsey ... | c | cbcb | bcbw | bwz |
| 6 | Pembroke ... | z$_o$b | bz$_o$ | bz$_o$ | z$_o$b |
| 7 | Holyhead ... | bm$_o$ | bm$_o$ | m$_o$b | b$_1$c |
| | Chester (Sealand) | bmxmz$_o$y | bz$_o$ybcb | bz$_o$m$_o$w | bm$_o$wxcfm |
| 8 | Manchester ... | afbfz$_o$ | byz$_o$ | bzm$_o$ | bm$_{b_1}$oF |
| 10 | Spurn Head ... | Ffbc | bc | bcbw | bffmw |
| | Catterick ... | bm$_o$y | yb z$_o$bz | bybm | bmxm$_o$ |
| | Tynemouth ... | bc | bc | bcm | bcm |
| 11 | St. Abbs Head . | bm$_o$ | bm$_o$ | b | bbcc |
| | Leuchars ... | bm$_o$z$_o$ | bz$_o$m$_o$ | bm$_o$f$_g$mw | bm$_o$xcm$_o$ |
| 12 | Renfrew (Abbotsl.) | bfxz$_o$ | z$_o$by | bcybcm | bmff |
| | Eskdalemuir ... | bbz$_o$ | byz$_o$ | bm$_o$ | bm$_o$x |
| | Point of Ayre ... | bz | b | bwb | bw |
| 13a | Tiree ... ... | c | c | c | c |
| 13b | Stornoway ... | c | c | c | c |
| 15 | Dalwhinnie ... | mbc | bcc | * | c |
| | Aberdeen ... | bz$_o$y | bz$_o$y | cz$_o$bcc | c |
| | Wick ... | bcm$_o$c | c | c | c |
| 16 | Lerwick ... | bcc | cpr$_o$m$_o$ | com | od$_o$id$_o$ |
| 17 | Blacksod Point | b | b | b | bc |
| 18 | Malin Head ... | bc | bc | bcc | c |
| | Aldergrove ... | bm$_o$xbz$_o$y | byb | b Φ | bbccw |
| 19 | Birr Castle ... | b | b | b | b |
| 20 | Valentia Obsy. † | by | byb | bz$_o$ | bz$_o$bw |
| | Roches Point | b | b | bw | bwbz$_o$ |

## EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

### COLUMNS 5, 19, 37, 38, 39, 40—BEAUFORT NOTATION AND SYMBOLS FOR WEATHER.

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog „ less than 220 yds.
f$_s$, low fog over sea (coast station).
f$_g$, low fog over land (inland station).
m, mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
f, fog at a distance, but not at station.
p, precipitation within sight of station.
ks, storm of drifting snow.
k/s$_o$, slight storm of drifting snow (generally low).
k/S, heavy storm of drifting snow (generally low).
s$_o$/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze: the turbid atmosphere of dry weather.
h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus R, heavy rain. r$_o$, slight rain. rr, continuous rain.
<, less than (for cloud height).
⊕, Solar halo. Φ lunar halo. ⁄ gale.
With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions thus:—bc/r, fair weather after rain; —, has decreased; +, has increased.

### COLUMNS 9, 23.—FORM OF LOW CLOUD.

0 No low clouds.
1 Fair weather Cu.
2 Large Cu without anvil.
3 Cb.
4 Sc formed by the spreading out of Cu.
5 Layer of St or Sc.
6 Ragged low clouds of bad weather (or fractonimbus).
7 Fair weather Cu. and Sc.
8 Large-Cu (or Cb) and Sc.
9 Large-Cu (or Cb) and ragged low clouds of bad weather.

### COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4–6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries. "tr" signifies a small amount of cloud (trace) covering less than 1/20 of the sky.
"9+" signifies an overcast sky with a few small openings.

### COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

0 No medium clouds.
1 Typical As (thin).
2 Typical As (thick) (sun or moon invisible), or Nimbostratus (Ns).
3 Single layer of Ac or high Sc.
4 Ac in isolated patches. Individually decreasing (often lenticular).
5 Ac in bands (increasing).
6 Ac formed from the spreading out of Cu.
7 Ac associated with As or As with parts resembling Ac.
8 Ac Castellatus (or Ac in ragged fragments).
9 Ac in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

### COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

0 No cirriform cloud.
1 Fine Ci not increasing: sparse.
2 Fine Ci not increasing: abundant but not a continuous layer.
3 Anvil Ci (usually dense).
4 Fine Ci increasing: usually in tufts.
5 Ci or Cs increasing: still below 45° altitude: often in polar bands.
6 Ci or Cs increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Cs covering whole sky.
8 Cs not increasing and not covering whole sky.
9 Cc predominating, and a little cirrus.
(Cc may occur with any of the types 1 to 8).

Cloud form abbreviations:—
Cirrus,–Ci: Cirrocumulus,–Cc: Cirrostratus,–Cs: Altocumulus,–Ac: Altostratus,–As
Stratocumulus,–Sc: Stratus,–St: Nimbostratus,–Ns: Cumulus,–Cu: Cumulonimbus,–Cb

### COLUMN 29.—STATE OF GROUND.

0 .. Ground dry.
1 .. „ wet.
2 .. „ flooded.
3 .. „ frozen hard and dry.
4 .. „ partly covered with snow or hail.
5 .. „ covered with ice or glazed frost.
6 .. Ground covered with thawing snow.
7 .. „ covered with snow, less than 6 ins., deep but ground not frozen.
8 .. „ covered with snow, less than 6 ins., but ground frozen.
9 .. „ covered with snow greater than 6 ins. deep.

NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

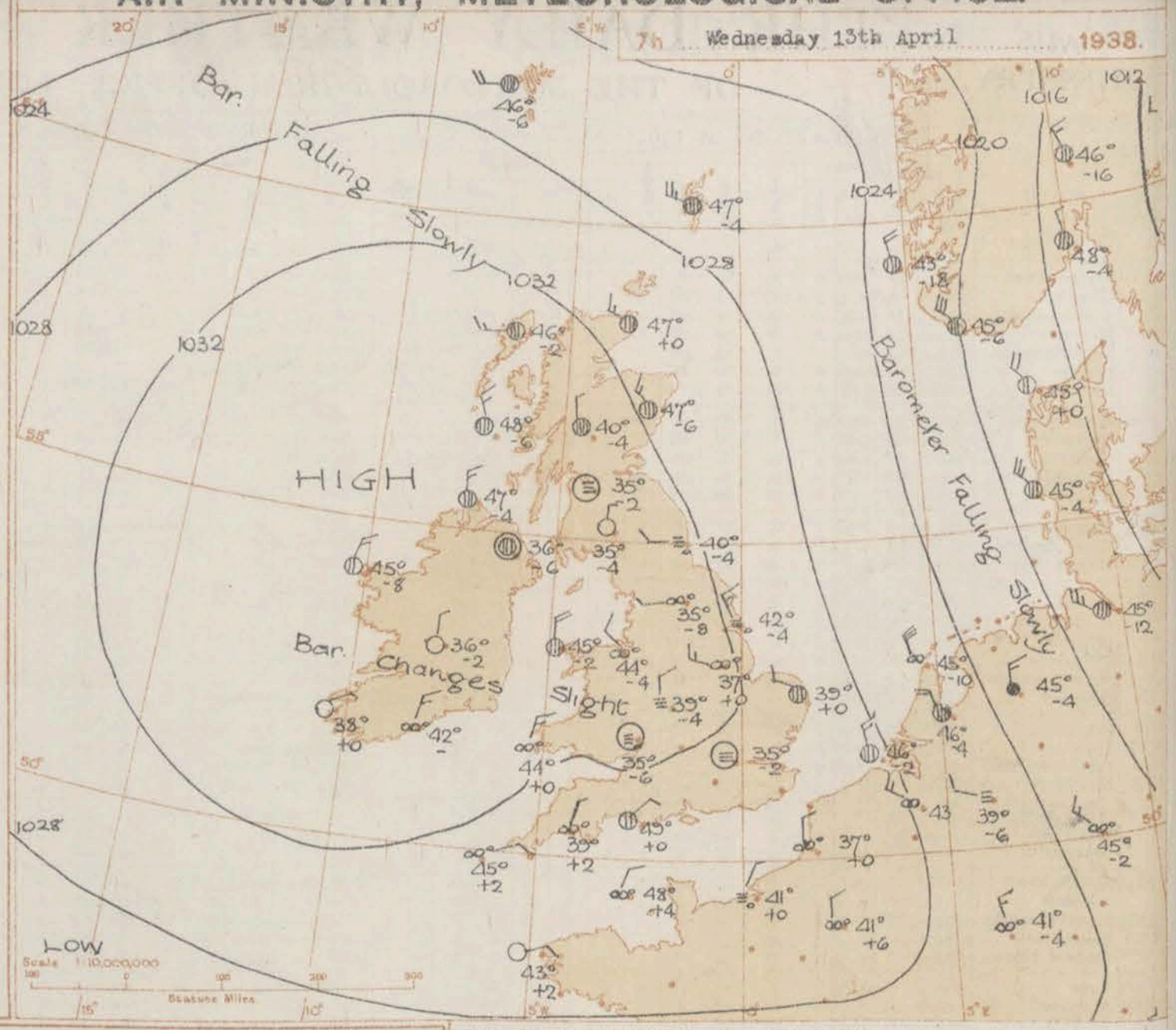
† See disturbance reported from Dungeness.

# AIR MINISTRY, METEOROLOGICAL OFFICE.

REPORTS from HEALTH RESORTS for 12th April, 1938.

| Districts | Stations. | Weather. Forenoon. | Weather. Afternoon. | Temperature (°F.) Min. 9h. 11th to 9h. 12th | Temperature (°F.) Max. 9h.—17h. 12th | Rainfall (mm.) Night. 17h. 11th to 9h. 12th | Rainfall (mm.) Day. 9h.—17h. 12th | Sunshine (Hrs.) Sunrise to 17h. 12th | Sunshine (Hrs.) Sunrise to Sunset. 11th |
|---|---|---|---|---|---|---|---|---|---|
| 1 | Tunbridge W. | bcb | b | 28 | 59 | - | - | 6·6 | 11·3 |
| | Bournemouth | b | b | 32 | 56 | - | - | 9·9 | 11·8 |
| | Ventnor ... | xbcb | bz | 38 | 54 | - | - | 9·9 | 12·0 |
| | Southsea ... | b | b | 37 | 57 | - | - | 9·8 | 11·6 |
| | Bognor Regis | cbcb | b | 34 | 54 | - | - | 6·7 | 11·6 |
| | Littlehampton | cbc | bcb | 33 | 59 | - | - | 6·8 | 11·6 |
| | Worthing ... | cbc | b | 35 | 58 | - | - | 6·5 | 11·4 |
| | Brighton ... | cb | b | 34 | 60 | - | - | 6·1 | 11·2 |
| | Eastbourne† ... | ocbc | bcb | 36 | 52 | - | - | 5·6 | 11·2 |
| | Hastings† ... | ocbc | bcb | 34 | 56 | - | - | 5·8 | 11·5 |
| | Folkestone ... | oc | cbcb | 38 | 53 | - | - | 5·8 | 11·4 |
| | Dover ... | oc | cb | 38 | 52 | - | - | 5·2 | 10·8 |
| | Deal ... ... | oco | b | 43 | 53 | - | - | 5·6 | 11·9 |
| | Ramsgate ... | bc | bc | 44 | 48 | - | - | 6·2 | 12·0 |
| | Margate ... | cbc | bcb | 42 | 48 | - | - | 6·3 | 12·1 |
| 2 | Southend ... | cbcb | b | 37 | 55 | - | - | 8·0 | 11·8 |
| | Clacton-on-Sea | bc | bcb | 38 | 52 | - | - | 8·9 | 12·0 |
| | Dovercourt ... | bcv | bcv | 38 | 54 | - | - | 5·2 | 11·6 |
| | Lowestoft ... | b | b | 38 | 53 | - | - | 10·3 | 6·0 |
| | Skegness ... | mbb | b | 32 | 50 | - | - | 8·8 | 11·5 |
| | Mablethorpe... | bcmb | b | 29 | 50 | - | - | 9·3 | 11·5 |
| | Cleethorpes ... | bm | b | 35 | 54 | - | - | 7·9 | 11·9 |
| 3 | Leamington S. | b | b | 30 | 63 | - | - | 10·3 | 9·2 |
| 4 | Cheltenham† | by | by | 30 | 65 | - | - | 10·1 | 10·6 |
| 5 | Bath ... ... | b | b | 31 | 63 | - | - | 10·9 | 11·6 |
| | Weymouth ... | b | b | 38 | 52 | - | - | 10·7 | 11·8 |
| | Jersey ... | c | cbc | 42 | 50 | - | - | 1·7 | 12·6 |
| | Torquay ... | bz | bz | 38 | 52 | - | - | 10·8 | 11·4 |
| | Falmouth | b | b | 41 | 54 | - | - | 9·8 | 12·1 |
| | Penzance ... | b | b | 41 | 59 | - | - | 10·1 | 10·7 |
| | St. Ives ... | b | b | 42 | 60 | - | - | 9·4 | 10·0 |
| | Bude... ... | b | b | 31 | 62 | - | - | 9·7 | 11·8 |
| | Ilfracombe ... | bcbbc | bcbbc | 40 | 57 | - | - | 10·1 | 11·8 |
| 6 | Aberystwyth | Wbc | bc | 37 | 53 | - | - | 10·0 | 11·6 |
| 7 | Llandudno ... | b | bz | 34 | 54 | - | - | 10·2 | 11·9 |
| | Colwyn Bay... | b | b | 35 | 52 | - | - | 10·2 | 11·3 |
| | Rhyl ... ... | bz | bz | 33 | 52 | - | - | 9·8 | 10·8 |
| 8 | Wallasey ... | bzb | b | 37 | 54 | - | - | 9·6 | 9·1 |
| | Southport ... | fbmz | b | 33 | 57 | - | - | 9·2 | 10·6 |
| | Blackpool ... | bmbf | bmbm | 32 | 55 | - | - | 9·7 | 11·1 |
| | Morecambe ... | bzbc | bbcbc | 34 | 59 | - | - | 11·1 | 10·5 |
| 9 | Ilkley... ... | b | b | 31 | 66 | - | - | 10·5 | 10·3 |
| | Harrogate ... | b | b | 35 | 63 | - | - | 10·8 | 11·7 |
| 10 | Berwick-on-T. | bm | mb | 35 | 50 | - | - | 10·3 | 11·5 |
| 11 | Dunbar ... | cm | cm | 35 | 52 | - | - | 9·5 | 10·5 |
| 12 | Troon... ... | bcb | bbcb | 36 | 53 | - | - | 10·2 | 10·3 |
| | Douglas ... | bz | b | 38 | 57 | - | - | 10·2 | 11·7 |

† Max. Temp. for period 21h. yesterday to 17h. to-day: Min. Temp. 21h.–9h.




BAROMETER. Isobars are drawn for intervals of two millibars.
WIND, WEATHER SYMBOLS. For explanation see opposite page.
SEA DISTURBANCE. Rough. High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

| Districts. | FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 13th April, 1938. |
|---|---|
| 1 S.E. England | Light to moderate variable winds; fine; rather warm by day, ground frost at night. |
| 2 E. England ... | Light to moderate northerly winds, freshening; cloudy with average temperature on coasts, fine and rather warm inland; ground frost at night. |
| 3 E. Midlands ... | |
| 4 W. Midlands ... | |
| 5 S.W. England | Light to moderate variable winds; mainly fine; local morning mist of fog; rather warm by day, ground frost at night. |
| 6 South Wales ... | |
| 7 North Wales ... | |
| 8 N.W. England | |
| 9 N. Midlands ... | |
| 10 N.E. England | |
| 11 S.E. Scotland | |
| 12 S.W. Scotland & Isle of Man | |
| 13 A. W. Scotld. B. N.W. Scotland. | Moderate to fresh westerly winds; cloudy periods; local drizzle on hills; average temperature, ground frost locally at night. |
| 14 Mid Scotland | |
| 15 N. E. Scotland | |
| 16 Orkney and Shetland | |
| 17 N. W. Ireland | As 3 - 12. |
| 18 N. E. Ireland | |
| 19 S. E. Ireland | |
| 20 S. W. Ireland | |

GENERAL INFERENCE

An anticyclone centred to the northwest of Ireland will maintain mainly fair to fine weather generally. Day temperatures will be rather high in inland, western and southern districts and at night ground frost will be widespread.

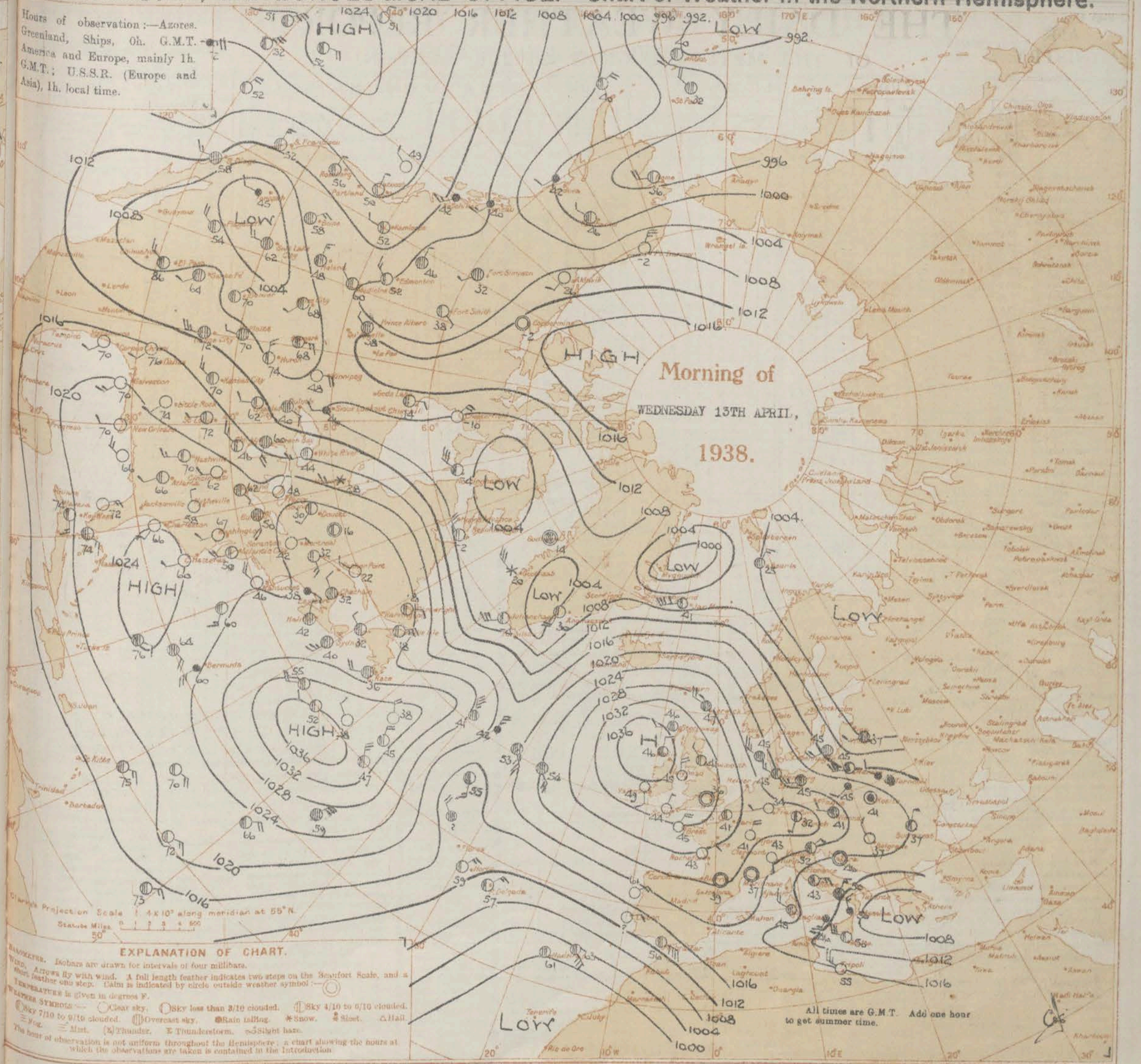
FURTHER OUTLOOK.

Similar.

Forecasts issued at 0920 G.M.T.

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S.
Director.

# AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.



AIR MINISTRY.

# THE DAILY WEATHER REPORT

## OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Wednesday 13th April 1938
No. 27901

### OBSERVATIONS at 1 hr. G.M.T. 13th April

| District | Stations | Height above M.S.L. in feet | Barom. at M.S.L. mb. (1) | Change in 3 hours (2) | Wind Direc. (3) | Wind Force 0–12 (4) | Weather (5) | Temp. °F. (6) | Humid. % (7) | Visibility 0–9 (8) | Cloud Form Low (9) | Cloud Form Med. (10) | Cloud Form High (11) | Cloud Amount Low 0–10 (12) | Cloud Amount Total 0–10 (13) | Height of Base (feet) (14) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | London (Kew) | 18 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Croydon ... | 217 | 1032·6 | −10 | – | 0 | m | 36 | 92 | 4 | – | – | – | 0 | 0 | – |
| | S. Farnborough | 226 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Boscombe Down | 417 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Calshot (Sthmtn.) | 8 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Lympne ... | 346 | 1032·2 | −12 | N'E | 3 | b | 40 | 85 | 6 | – | – | – | 0 | 0 | – |
| | Manston ... | 142 | 1031·7 | −14 | NEN | 2 | b | 39 | 92 | 7 | – | – | – | 0 | 0 | – |
| 2 | Shoeburyness... | 11 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Felixstowe ... | 15 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Gorleston ... | 5 | 1031·7 | −12 | WNW | 3 | b | 38 | 85 | 6 | – | – | – | 0 | 0 | – |
| | Mildenhall ... | 19 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Cranwell ... | 240 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 3 | Birmingham ... | 535 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Upper Hayford | 408 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 4 | Ross-on-Wye | 223 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 5 | Bristol ... | 209 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Portland Bill ... | 32 | 1031·8 | −6 | ENE | 2 | b | 45 | 85 | 8 | – | – | – | 0 | 0 | – |
| | Plymouth ... | 82 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | The Lizard ... | 240 | 1032·7 | −6 | NNE | 2 | b | 42 | 92 | 7 | – | – | – | 0 | 0 | – |
| | Scilly (St. Mary's) | 163 | 1032·7 | −6 | NEN | 1 | b | 44 | 97 | 6 | – | – | – | 0 | 0 | – |
| | Guernsey .. | 175 | 1032·2 | −8 | NNE | 1 | b | 44 | 92 | 6 | – | – | – | 0 | 0 | – |
| 6 | Pembroke ... | 142 | 1032·6 | −4 | NE | 2 | $z_0$ | 48 | 75 | 6 | – | – | – | 0 | 0 | – |
| 7 | Holyhead ... | 26 | 1033·7 | −18 | N | 4 | b | 45 | 85 | 7 | – | – | – | 0 | 0 | – |
| | Chester (Sealand) | 16 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 8 | Manchester ... | 70 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 10 | Spurn Head ... | 29 | 1033·2 | −4 | N | 2 | b | 42 | 97 | 7 | – | – | – | 0 | 0 | – |
| | Catterick ... | 175 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Tynemouth ... | 108 | 1034·3 | −8 | NW | 1 | m | 41 | 97 | 4 | 5 | – | – | 2·3 | 2·3 | 800 |
| 11 | St. Abbs Head .. | 280 | 1035·6 | −14 | SW | 1 | b | 45 | 75 | 7 | – | 3 | – | 0 | Tr | – |
| | Leuchars ... | 36 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 12 | Renfrew (Abbotsl.) | 19 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Eskdalemuir ... | 794 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Point of Ayre... | 30 | 1034·2 | −12 | NNW | 3 | b | 45 | 92 | 7 | – | 4 | – | 0 | Tr | – |
| 13A | Tiree ... ... | 22 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 13B | Stornoway ... | 80 | 1034·8 | −6 | W | 2 | c | 46 | 85 | 7 | 5 | 2 | – | 7·8 | 10 | 1500 |
| 15 | Dalwhinnie ... | 1176 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Aberdeen ... | 79 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Wick ... | 81 | 1033·1 | −10 | WNW | 3 | c | 46 | 85 | 8 | 5 | 1 | – | 7·8 | 9 | 1500 |
| 16 | Lerwick ... | 156 | 1029·7 | −14 | WNW | 4 | m | 47 | 97 | 4 | 5 | – | – | 10 | 10 | 220 |
| 17 | Blacksod Point | 18 | 1036·0 | −8 | SE | 3 | b | 47 | 92 | 8 | – | – | – | 0 | 0 | – |
| 18 | Malin Head ... | 84 | 1036·9 | −16 | N'E | 2 | c | 46 | 85 | 8 | 4 | 9 | – | 2·3 | 9 | 4000 |
| | Aldergrove ... | 268 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 19 | Birr Castle ... | 173 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 20 | Valentia Obsy. † | 30 | 1034·6 | −2 | SSE | 2 | b | 49 | 92 | 8 | – | – | – | 0 | 0 | – |
| | Roches Point | 22 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |

### OBSERVATIONS at 7 hr. G.M.T. 13th April

| District | Stations | Barom. at M.S.L. mb. (15) | Change in 3 hours (16) | Wind Direc. (17) | Wind Force 0–12 (18) | Weather (19) | Temp. °F. (20) | Humid. % (21) | Visibility 0–9 (22) | Cloud Form Low. (23) | Cloud Form Med. (24) | Cloud Form High (25) | Cloud Amount Low 0–10 (26) | Cloud Amount Total 0–10 (27) | Height of Base (feet) (28) | State of Ground 0–9 (29) | Sea 0–9 (30) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | London (Kew) | 1031·6 | −4 | – | 0 | m | 39 | 85 | 4 | – | – | – | 0 | 0 | – | 0 | * |
| | Croydon ... | 1031·6 | −2 | – | 0 | bf | 35 | 97 | 3 | – | – | – | 0 | 0 | – | 0 | * |
| | S. Farnborough | 1032·2 | −4 | W | 1 | m/f | 28 | 97 | 4 | – | – | – | 0 | 0 | – | 0 | * |
| | Boscombe Down | 1032·4 | −2 | N | 2 | b | 35 | 85 | 7 | – | – | – | 0 | 0 | – | 0 | * |
| | Calshot (Sthmtn.) | 1031·5 | −4 | NW | 2 | $z_0$ | 39 | 92 | 5 | – | 4 | – | 0 | Tr | – | 0 | 1 |
| | Lympne ... | 1031·2 | −2 | N | 4 | $z_0$ | 41 | 75 | 6 | – | 8 | 1 | 0 | 1 | – | 0 | §1 |
| | Manston ... | 1030·4 | 0 | N'E | 2 | b | 43 | 85 | 7 | – | – | 6 | 0 | 1 | – | 0 | * |
| 2 | Shoeburyness... | 1031·1 | −2 | N'W | 3 | bc | 39 | 85 | 7 | – | – | 5 | 0 | 2·3 | – | 0 | * |
| | Felixstowe ... | 1031·4 | −2 | NW'N | 3 | bc | 39 | 92 | 7 | – | – | 2 | 0 | 2·3 | – | 0 | 2 |
| | Gorleston ... | 1030·9 | 0 | NW'W | 2 | c | 39 | 97 | 5 | 5 | – | – | 9 | 9 | 1500 | 0 | 2 |
| | Mildenhall ... | 1032·0 | +2 | W'S | 1 | bf | 30 | 97 | 3 | – | – | – | 0 | 0 | – | 0 | * |
| | Cranwell ... | 1032·6 | 0 | WNW | 3 | $z_0$ | 37 | 85 | 5 | – | – | – | 0 | 0 | – | 0 | * |
| 3 | Birmingham ... | 1032·7 | −4 | N | 2 | bf | 39 | 75 | 3 | – | – | – | 0 | 0 | – | 0 | * |
| | Upper Hayford | 1032·1 | −6 | NNW | 3 | bf | 38 | 92 | 3 | – | – | – | 0 | 0 | – | 0 | * |
| 4 | Ross-on-Wye | 1032·5 | −6 | – | 0 | m | 35 | 92 | 4 | – | – | – | 0 | 0 | – | 0 | * |
| 5 | Bristol ... | 1032·6 | 0 | – | 0 | m | 40 | 85 | 4 | – | – | – | 0 | 0 | – | 0 | * |
| | Portland Bill ... | 1031·3 | 0 | NE | 2 | bc | 49 | 85 | 7 | – | 4 | – | 0 | 2·3 | – | 0 | 3 |
| | Plymouth ... | 1032·0 | +2 | NE | 1 | $z_0$ | 39 | 92 | 5 | – | – | 8 | 0 | 2·3 | – | 0 | 1 |
| | The Lizard ... | 1031·6 | 0 | NE | 3 | bc | 48 | 75 | 7 | 7 | – | – | 2·3 | 2·3 | 4000 | 0 | 1 |
| | Scilly (St. Mary's) | 1031·7 | +2 | ENE | 2 | $z_0$ | 45 | 97 | 6 | – | – | – | 0 | 0 | – | 0 | 2 |
| | Guernsey .. | 1031·1 | +4 | NEN | 2 | $z_0$ | 48 | 85 | 6 | – | – | – | 0 | 0 | – | 0 | 2 |
| 6 | Pembroke ... | 1032·6 | 0 | NNE | 3 | $z_0$ | 44 | 85 | 6 | 5 | – | – | 1 | 1 | 4000 | 0 | 1 |
| 7 | Holyhead ... | 1032·9 | −2 | N | 4 | c | 45 | 85 | 7 | 5 | – | – | 9+ | 9+ | 2500 | 0 | 2 |
| | Chester (Sealand) | 1033·1 | −4 | NW | 2 | $z_0$ | 44 | 97 | 5 | 5 | – | – | 10 | 10 | 800 | 0 | * |
| 8 | Manchester ... | 1033·3 | 0 | E'S | 1 | F | 41 | 97 | 1 | – | – | – | 10 | 10 | <150 | 1 | * |
| 10 | Spurn Head ... | 1031·6 | −4 | NNW | 3 | m | 42 | 97 | 4 | – | – | 6 | 0 | 7·8 | – | 1 | 1 |
| | Catterick ... | 1033·0 | −8 | W | 1 | $z_0$ | 35 | 92 | 5 | – | – | – | 0 | 0 | – | 3 | * |
| | Tynemouth ... | 1032·6 | −4 | W | 2 | m | 40 | 85 | 4 | 5 | 3 | – | 2·3 | 4·6 | 800 | 0 | 1 |
| 11 | St. Abbs Head .. | 1032·7 | −6 | WNW | 2 | c | 43 | 85 | 7 | 5 | 2 | – | 7·8 | 10 | 1500 | 0 | 1 |
| | Leuchars ... | 1033·2 | −2 | SW | 1 | c | 43 | 92 | 6 | 5 | – | – | 10 | 10 | 4000 | 0 | * |
| 12 | Renfrew (Abbotsl.) | 1033·4 | −2 | – | 0 | bf | 35 | 97 | 3 | – | – | – | 0 | 0 | – | 0 | * |
| | Eskdalemuir ... | 1033·1 | −4 | NE'N | 1 | b | 35 | 85 | 6 | – | – | – | 0 | 0 | – | 0 | * |
| | Point of Ayre... | 1032·6 | −6 | N | 1 | b | 44 | 97 | 7 | – | 3 | – | 0 | Tr | – | 1 | 1 |
| 13A | Tiree ... ... | 1034·2 | −6 | NNW | 3 | c | 48 | 85 | 8 | 5 | – | – | 9+ | 9+ | 2500 | 0 | 2 |
| 13B | Stornoway ... | 1033·5 | −2 | W | 3 | c | 46 | 85 | 7 | 5 | 2 | – | 7·8 | 10 | 1500 | 1 | 2 |
| 15 | Dalwhinnie ... | * | −4 | N | 1 | c | 44 | 85 | 8 | 5 | – | – | 10 | 10 | 4000 | 0 | * |
| | Aberdeen ... | 1031·7 | −6 | NW | 3 | c | 47 | 75 | 8 | 5 | – | – | 9+ | 9+ | 4000 | 0 | 1 |
| | Wick ... | 1031·6 | 0 | WNW | 3 | c | 47 | 92 | 7 | 5 | 7 | – | 7·8 | 9+ | 1500 | 0 | 1 |
| 16 | Lerwick ... | 1028·5 | −4 | WNW | 5 | o | 47 | 97 | 7 | 5 | – | – | 10 | 10 | 450 | 1 | * |
| 17 | Blacksod Point | 1034·9 | −8 | NE | 3 | bc | 45 | 85 | 8 | – | – | 7 | 0 | 4·6 | – | 0 | 3 |
| 18 | Malin Head ... | 1035·0 | −4 | N | 3 | c | 47 | 85 | 8 | 7 | – | 9 | 7·8 | 9 | 4000 | 0 | 1 |
| | Aldergrove ... | 1034·5 | −6 | – | 0 | c | 36 | 92 | 8 | 5 | – | 2 | 1 | 7·8 | 4000 | 0 | * |
| 19 | Birr Castle ... | 1034·9 | −2 | N | 1 | b | 36 | 97 | 7 | – | – | – | 0 | 0 | – | 0 | * |
| 20 | Valentia Obsy. † | 1034·0 | 0 | NE'E | 1 | b | 38 | 92 | 7 | – | – | – | 0 | 0 | – | 0 | 1 |
| | Roches Point | 1034·1 | * | NNE | 3 | $z_0$ | 42 | 92 | 6 | – | – | – | 0 | 0 | – | 0 | 1 |

### PAST 24 HOURS

| District | Stations | Temperature Max. Day 7h–18h °F. (31) | Temperature Min. Night 18h–7h °F (32) | Min. on Grass °F. (33) | Rainfall Day 7h–18h mm. (34) | Rainfall Night 18h–7h mm. (35) | Sunshine 12th Hrs. (36) |
|---|---|---|---|---|---|---|---|
| 1 | London (Kew) | 60 | 36 | 23 | – | Tr | 8·7 |
| | Croydon ... | 61 | 33 | 24 | – | – | 8·8 |
| | S. Farnborough | 61 | 24 | 18 | – | – | 10·1 |
| | Boscombe Down | 60 | 32 | 29 | – | – | 11·6 |
| | Calshot (Sthmtn.) | 58 | 36 | 34 | – | – | 11·5 |
| | Lympne ... | 53 | 36 | 30 | – | – | 7·1 |
| | Manston ... | 51 | 34 | 28 | – | – | 6·9 |
| 2 | Shoeburyness... | 52 | 34 | 25 | – | – | 8·9 |
| | Felixstowe ... | 53 | 33 | 29 | – | – | 9·8 |
| | Gorleston ... | 54 | 36 | 34 | – | – | 10·4 |
| | Mildenhall ... | 59 | 27 | 22 | – | Tr | 9·7 |
| | Cranwell ... | 62 | 34 | 25 | – | – | 11·0 |
| 3 | Birmingham ... | 61 | 37 | 31 | – | – | 9·6 |
| | Upper Hayford | 61 | 31 | 28 | – | – | * |
| 4 | Ross-on-Wye | 63 | 33 | 24 | – | – | 10·6 |
| 5 | Bristol ... | 62 | 38 | 26 | – | – | 11·2 |
| | Portland Bill ... | 49 | 42 | * | – | – | * |
| | Plymouth ... | 57 | 39 | 29 | – | Tr | 11·5 |
| | The Lizard ... | 54 | 41 | * | – | – | 10·3 |
| | Scilly (St. Mary's) | 55 | 42 | * | – | Tr | 11·5 |
| | Guernsey .. | 49 | 44 | 35 | – | – | 5·2 |
| 6 | Pembroke ... | 59 | 43 | * | – | – | 10·2 |
| 7 | Holyhead ... | 60 | 44 | 40 | – | – | 9·9 |
| | Chester (Sealand) | 57 | 36 | 26 | – | – | 10·8 |
| 8 | Manchester ... | 62 | 32 | 27 | – | Tr | 7·4 |
| 10 | Spurn Head ... | 54 | 40 | * | – | Tr | 8·5 |
| | Catterick ... | 64 | 30 | 25 | – | – | 10·0 |
| | Tynemouth ... | 54 | 38 | 38 | – | – | 10·6 |
| 11 | St. Abbs Head .. | 49 | 42 | * | – | – | * |
| | Leuchars ... | 54 | 34 | 25 | – | – | 11·2 |
| 12 | Renfrew (Abbotsl.) | 59 | 33 | 29 | – | – | 11·3 |
| | Eskdalemuir ... | 64 | 31 | 25 | – | – | 11·4 |
| | Point of Ayre... | 56 | 42 | * | – | – | 11·2 |
| 13A | Tiree ... ... | 51 | 47 | 44 | – | – | 0·0 |
| 13B | Stornoway ... | 50 | 44 | * | – | – | 0·0 |
| 15 | Dalwhinnie ... | 58 | 37 | 30 | – | – | 7·1 |
| | Aberdeen ... | 57 | 44 | 41 | – | – | 10·1 |
| | Wick ... | 51 | 45 | * | – | – | * |
| 16 | Lerwick ... | 51 | 46 | * | Tr | Tr | 3·9 |
| 17 | Blacksod Point | 58 | 44 | * | – | – | * |
| 18 | Malin Head ... | 50 | 45 | * | – | – | 11·3 |
| | Aldergrove ... | 58 | 35 | 27 | – | – | 12·3 |
| 19 | Birr Castle ... | 62 | 33 | * | – | – | 11·7 |
| 20 | Valentia Obsy. † | 56 | 36 | 30 | – | Tr | 11·6 |
| | Roches Point | 54 | 40 | * | – | Tr | * |

### LONDON OBSERVATIONS

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations except for rainfall which is 9h—18h.

| | Height above M.S.L. in feet | Weather Morning (24 hrs. ended 9h.) | Weather Afternoon (24 hrs. ended 9h.) | Weather Night (24 hrs. ended 9h.) | Temperature Day Max. °F. | Temperature Night Min. °F. | Temperature Min. on Grass °F. | Rainfall Day mm. | Rainfall Night mm. | Sunshine to Sunset hrs. (Yesterday) | Humidity 15h. G.M.T. % (Yesterday) | Humidity 9h. G.M.T. % (To-day) | Visibility 9h. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kew... ... ... ... ... ... | 18 | bcbz$_0$y | by bz$_0$y | bz$_0$bmx | 60 | 36 | 23 | – | Tr | 8·7 | * | * | 5 |
| Croydon ... ... ... ... ... | 217 | cmfbcz | bz$_0$y | bz$_0$mwx | 61 | 33 | 24 | – | – | 8·8 | * | * | 3 |
| Greenwich (Royal Observatory)... | 149 | b | by | bxmzy | 61 | 34 | 21 | – | Tr | 9·0 | 39 | 50 | 5 |
| City (Bunhill Row) ... ... ... | — | * | * | * | * | * | * | * | * | 8·3 | * | * | * |
| Westminster (St. James' Park) ... | 27 | * | * | * | 63 | 39 | 31 | – | – | 8·2 | 37 | 59 | * |
| Regents Pk. (Botanic Gardens)‡... | 168 | * | * | * | 62 | 36 | 28 | – | – | 8·3 | 55 | 53 | * |
| Camden Square ... ... ... | 110 | c | bc | * | 64 | 37 | 25 | – | – | * | * | 49 | * |
| Kensington ... ... ... ... | 80 | bcz | bz | * | 62 | 37 | 27 | – | – | 8·4 | At 18h. 64 | 49 | * |
| Hampstead Observatory ... ... | 450 | cbc | bc | bc | 58 | 39 | 26 | – | – | 8·5 | * | 68 | * |

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. 13th

| South Kensington Max. | Time. | Min. | Time. |
|---|---|---|---|
| 0·6 | 2-4h 13th | <0·3 | 12-14h 12th |

| Kew Observatory Max. | Time. | Min. | Time. |
|---|---|---|---|
| 0·4 | 19h. 12th. | <0·1 | 17h. 12th. |

### FOREIGN OBSERVATIONS.

| Stations | 18h. G.M.T. 12th April Barom. mb. | Wind Direc. | Wind Force | Weather | Temp. °F. | 7h. G.M.T. 13th April Barom. mb. | Wind Direc. | Wind Force | Weather | Temp. °F. | Past 24 Hours Max. Day °F. | Min. Night °F. | Rainfall Day mm. | Rainfall Night mm. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Paris ... ... ... ... ... | 1029·5 | NNE | 4 | b | 50 | 1028·7 | N | 2 | $z_0$ | 41 | 52 | 39 | – | – |
| Brussels ... ... ... ... | 1030·4 | N | 3 | b | 50 | 1028·1 | NW | 3 | $z_0$ | 43 | 54 | 37 | – | – |
| Berlin ... ... ... ... | | | | | | 1015·4 | NW | 5 | 0 | 45 | | 45 | | – |
| Zurich ... ... ... ... | 1025·1 | E | 1 | c | 46 | 1022·7 | ESE | 1 | $z_0$ | 34 | 52 | 32 | – | – |
| Rome ... ... ... ... | 1012·3 | N | 5 | c | 52 | 1013·1 | NNE | 3 | c | 50 | * | * | – | * |

### EXPLANATION OF FIGURES, LETTERS, etc.

**COLUMNS 2, 16.**
The barometric tendency is expressed in tenths of a millibar.

**COLUMNS 4, 18.**
The Beaufort Scale of Wind is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers is the speed at about 30 feet above the ground.

| Beaufort No | Statute m/h. | Beaufort No. | Statute m/h. | Beaufort No. | Statute m/h. |
|---|---|---|---|---|---|
| 0 | <1 | 4 | 13–18 | 9 | 47–54 |
| 1 | 1–3 | 5 | 19–24 | 10 | 55–63 |
| 2 | 4–7 | 6 | 25–31 | 11 | 64–75 |
| 3 | 8–12 | 7 | 32–38 | 12 | > 75 |
| | | 8 | 39–46 | | |

**COLUMNS 34, 35.**
Tr. = rain has fallen, but amount less than 0·1 mm.

**COLUMNS 8, 22.—Code for surface visibility.**

| | Objects not visible at |
|---|---|
| 0 Dense fog | 55 yards. |
| 1 Thick fog | 220 ,, |
| 2 Fog | 550 ,, |
| 3 Moderate fog | 1,100 ,, |
| 4 Mist or haze | 1½ miles. |
| 5 Poor visibility | 2½ ,, |
| 6 Moderate ,, | 6½ ,, |
| 7 Good ,, | 12½ ,, |
| 8 Very good ,, | 31 ,, |
| 9 Excellent ,, | beyond 31m. |

**COLUMN 30.—Code for State of Sea.**

| | |
|---|---|
| 0 Calm. | 5 Very rough. |
| 1 Smooth. | 6 High. |
| 2 Slight. | 7 Very high. |
| 3 Moderate. | 8 Precipitous. |
| 4 Rough. | 9 Confused. |

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METEOROLOGICAL OFFICE, AIR MINISTRY, ADASTRAL HOUSE, KINGSWAY, LONDON, W.C.2.

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S., Director.

† hr. observations are from Valentia W/T Station. ‡ Maximum and Minimum Temperatures are for the 24 hours ending 8 h. § Sea disturbance reported from Dungeness.

AIR MINISTRY.

# THE DAILY WEATHER REPORT

## OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Thursday 14th April, 1938.
No. 27902

| District | Stations (For heights see p. 4.) | Obs. at 13h. G.M.T. 13th April: Barom. at M.S.L. mb. (1) | Change in 3 hours. (2) | Wind Direc. (3) | Wind Force 0–12 (4) | Weather (5) | °Temp. F. (6) | % Humid. (7) | Visibility 0–9 (8) | Cloud Form Low (9) | Cloud Form Med. (10) | Cloud Form High (11) | Cloud Amount Low 0–10 (12) | Cloud Amount Total 0–10 (13) | Height of Base (feet) (14) | Obs. at 18h. G.M.T. 13th April: Barom. at M.S.L. mb. (15) | Change in 3 hours. (16) | Wind Direc. (17) | Wind Force 0–12 (18) | Weather (19) | °Temp. F. (20) | % Humid. (21) | Visibility 0–9 (22) | Cloud Form Low (23) | Cloud Form Med. (24) | Cloud Form High (25) | Cloud Amount Low 0–10 (26) | Cloud Amount Total 0–10 (27) | Height of Base (feet) (28) | State of Ground 0–9 (29) | Sea 0–9 (30) | Past 24 Hours Weather 7h.–13h. 13th (37) | 13h.–18h. 13th (38) | 18h.–1h. 13th to 14th (39) | 1h.–7h. 14th (40) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | London (Kew) | 1028·7 | -12 | N'E | 3 | $Z_o$ | 58 | 45 | 6 | - | - | - | 0 | 0 | - | 1026·8 | -6 | NNE | 3 | $Z_o$ | 56 | 55 | 6 | - | - | 6 | 0 | 4-6 | - | 0 | * | bz.y | bbcz.y | bcybz. | cm. |
| | Croydon ... | 1028·4 | -20 | NE | 3 | $Z_o$ | 58 | 55 | 6 | - | - | - | 0 | 0 | - | 1027·1 | -4 | NNE | 3 | $Z_o$ | 56 | 65 | 6 | 5 | - | 3 | Tr | 4-6 | 5700 | 0 | * | bfzz.y | bcz.y | bcz.bmw | bcm.wow |
| | S. Farnborough | 1028·5 | -18 | NW | 3 | $Z_o$ | 61 | 35 | 6 | - | - | - | 0 | 0 | - | 1026·4 | -8 | NE'E | 2 | $Z_o$ | 58 | 55 | 6 | - | - | 4 | 0 | 2-3 | - | 0 | * | bmz.y | bbcz.y | bcm.x | bcxom |
| | Boscombe Down | 1028·7 | -22 | N'W | 2 | $Z_o$ | 60 | 45 | 6 | - | - | - | 0 | 0 | - | 1026·6 | -10 | NE | 3 | $Z_o$ | 56 | 55 | 6 | - | - | - | 0 | 0 | - | 0 | * | bz.y | bz.y | bz.ybz | bz.cbm |
| | Calshot (Sthmtn.) | 1028·7 | -6 | S | 1 | $Z_o$ | 58 | 65 | 6 | - | - | - | 0 | 0 | - | 1026·5 | -2 | SW'S | 3 | $Z_o$ | 55 | 55 | 6 | - | - | - | 0 | 0 | - | 0 | 1 | bz.y | bz.y | bz.bcm | bcwm |
| | Lympne ... | 1029·0 | -14 | NE | 3 | bc | 54 | 65 | 7 | 1 | - | 1 | 1 | 2-3 | 4000 | 1027·2 | 0 | NE'N | 4 | bc | 50 | 65 | 7 | 1 | 4 | 8 | Tr | 4-6 | 5700 | 0 | § 2 | bcz.yb | b,c | bcbw | bw,cm |
| | Manston ... | 1029·5 | -4 | NE | 3 | bc | 52 | 65 | 7 | 1 | - | 6 | Tr | 4-6 | 2500 | 1027·0 | -8 | NE | 3 | c | 47 | 75 | 7 | 1 | 7 | 8 | Tr | 7-8 | 4000 | 0 | * | bbcz. | bcbc | bbw | b,owe |
| 2 | Shoeburyness ... | 1029·2 | -12 | E | 3 | bc | 53 | 65 | 7 | 1 | - | - | 2-3 | 2-3 | 4000 | 1027·3 | -6 | ESE | 2 | bc | 49 | 75 | 7 | - | 5 | 4 | 0 | 4-6 | - | 0 | * | bz.bc | bc | bccb | b,cw |
| | Felixstowe ... | 1029·4 | -10 | E | 2 | c | 51 | 75 | 7 | 5 | - | - | 9 | 9 | 4000 | 1027·3 | -2 | N'W | 3 | c | 52 | 65 | 7 | 5 | - | - | 10 | 10 | 4000 | 0 | 2 | bbcc | cbccy | c,b | bw,cbcc |
| | Gorleston ... | 1028·8 | -8 | N'W | 4 | c | 52 | 65 | 6 | 5 | - | - | 9 | 9 | 2500 | 1027·1 | -2 | NW'N | 4 | bc | 49 | 75 | 6 | 5 | 4 | - | 4-6 | 4-6 | 2500 | 0 | 2 | cifbcc | cbcq | bccqz. | cd.c |
| | Mildenhall ... | 1029·6 | -10 | N'W | 4 | bc | 55 | 65 | 7 | 1 | - | - | 4-6 | 4-6 | 4000 | 1027·7 | -2 | NNE | 4 | bc | 52 | 65 | 8 | 1 | 3 | 5 | 2-3 | 4-6 | 2500 | 0 | * | bffxbbcm | bcv | bcbxbcm | bcm.c |
| | Cranwell ... | 1029·9 | -18 | N | 3 | bc | 56 | 56 | 7 | 1 | - | - | 4-6 | 4-6 | 4000 | 1028·1 | -8 | NE'N | 3 | bc | 53 | 65 | 8 | 5 | - | 3 | 2-3 | 4-6 | 4000 | 0 | * | bm.bc | bcy | bcccz. | cz.m. |
| 3 | Birmingham ... | 1029·5 | -12 | NNE | 2 | $Z_o$ | 54 | 45 | 5 | - | - | - | 0 | 0 | - | 1026·6 | -8 | NE | 1 | $Z_o$ | 56 | 55 | 5 | - | - | - | 0 | 0 | - | 0 | * | fbz | bz | b | b,c |
| | Upper Heyford | 1029·7 | -16 | N | 2 | $Z_o$ | 57 | 45 | 6 | - | - | - | 0 | 0 | - | 1027·4 | -14 | NNE | 1 | $Z_o$ | 56 | 55 | 6 | - | - | 5 | 0 | 1 | - | 0 | * | bfz.y | bz.y | bccz. | bccmb |
| 4 | Ross-on-Wye | 1029·2 | -14 | ENE | 3 | $Z_o$ | 57 | 45 | 5 | - | - | - | 0 | 0 | - | 1026·7 | -12 | E | 2 | $Z_o$ | 55 | 55 | 5 | - | - | - | 0 | 0 | - | 0 | * | bmzbz | byz | bzbm | bmwcf |
| 5 | Bristol ... | 1029·5 | -18 | NE | 1 | $Z_o$ | 59 | 55 | 6 | - | - | - | 0 | 0 | - | 1026·9 | -8 | ENE | 2 | $Z_o$ | 57 | 55 | 5 | - | - | - | 0 | 0 | - | 0 | * | bmz.y | bz.y | bz.ym | bmxcm |
| | Portland Bill ... | 1029·3 | -6 | S | 2 | b | 53 | 75 | 6 | - | - | - | 0 | 0 | - | 1026·0 | -6 | NW | 2 | b | 51 | 75 | 6 | - | - | - | 0 | 0 | - | 0 | 2 | bz. | bz. | bbz. | bccz. |
| | Plymouth ... | 1029·4 | -12 | S | 2 | $Z_o$ | 54 | 75 | 6 | - | - | - | 0 | 0 | - | 1026·8 | -14 | SW'S | 1 | $Z_o$ | 52 | 75 | 6 | - | - | - | 0 | 0 | - | 0 | 0 | bm.mbz. | bm. | bz.m. | bm.w |
| | The Lizard ... | 1029·7 | -4 | ESE | 2 | bc | 57 | 65 | 6 | 7 | - | - | 2-3 | 2-3 | 4000 | 1026·9 | -12 | N'W | 2 | bc | 55 | 65 | 6 | 5 | - | - | 4-6 | 4-6 | 2500 | 0 | 1 | bcz. | bcz. | bcbw | bbccz |
| | Scilly (St. Mary's) | 1030·4 | -8 | NE'N | 2 | $Z_o$ | 57 | 65 | 6 | - | - | - | 0 | 0 | - | 1028·3 | -4 | NE'N | 4 | b | 49 | 92 | 7 | † | - | - | 0 | 0 | - | 0 | 2 | bz. | bz. | bw | bbcwb |
| | Guernsey ... | 1029·2 | -12 | NNE | 2 | $Z_o$ | 56 | 55 | 6 | - | - | - | 0 | 0 | - | 1027·2 | -14 | N'W | 1 | $Z_o$ | 52 | 65 | 6 | - | - | 8 | 0 | Tr | - | 0 | 1 | bz. | bz | bzw | bzwbc |
| 6 | Pembroke ... | 1030·2 | -6 | N'E | 5 | q | 55 | 75 | 8 | 1 | - | - | Tr | Tr | 4000 | 1028·5 | -20 | N | 5 | q | 49 | 75 | 8 | 5 | - | - | Tr | Tr | 2500 | 0 | 2 | bq | bq | qwb | bm.w |
| 7 | Holyhead ... | 1031·5 | -8 | N | 3 | c | 50 | 65 | 8 | 7 | - | - | 9+ | 9+ | 1500 | 1029·0 | -10 | N | 4 | b | 48 | 85 | 8 | - | - | - | 0 | 0 | - | 0 | 2 | c | cb | bw | bwF |
| | Chester (Sealand) | 1030·8 | -16 | NW | 2 | $Z_o$ | 52 | 65 | 6 | - | - | - | 0 | 0 | -- | 1029·4 | 0 | NW | 3 | $Z_o$ | 45 | 75 | 6 | - | - | - | 0 | 0 | - | 0 | * | bm.z.cb | bz. | bowFFe | OFFe |
| 8 | Manchester ... | 1030·3 | -18 | W | 2 | $Z_o$ | 55 | 65 | 5 | - | - | - | 0 | 0 | - | 1028·4 | -2 | WNW | 3 | $Z_o$ | 47 | 85 | 5 | - | - | - | 0 | 0 | - | 0 | * | ffcm,bz. | bzz. | bm.fF | b,bcff |
| 10 | Spurn Head ... | 1030·1 | -10 | N | 5 | c | 52 | 92 | 6 | 5 | - | - | 9 | 9 | 4000 | 1028·7 | -10 | N'E | 4 | c | 47 | 92 | 7 | - | 5 | - | 0 | 7-8 | - | 0 | 2 | cm | bcc | bbco | oco |
| | Catterick ... | 1030·0 | -22 | NE'N | 1 | $Z_o$ | 56 | 55 | 6 | 5 | - | - | 4-6 | 4-6 | 2500 | 1029·4 | -4 | NE | 3 | c | 50 | 65 | 7 | - | 7 | - | 0 | 7-8 | - | 0 | * | m.bbcz. | bcz.yb | cbm.cm | cm.c |
| | Tynemouth ... | 1030·8 | -12 | N | 2 | bc | 50 | 55 | 7 | 2 | - | - | 4-6 | 4-6 | 1500 | 1028·6 | -4 | N | 3 | c | 48 | 75 | 7 | 5 | - | - | 7-8 | 7-8 | 1500 | 0 | 1 | bc | bcc | cbcc | co |
| 11 | St. Abbs Head . | 1031·2 | -4 | WNW | 2 | c | 49 | 65 | 7 | 5 | 2 | - | 4-6 | 7-8 | 2500 | 1030·2 | -4 | NW | 3 | c | 48 | 75 | 7 | 5 | 2 | - | 4-6 | 10 | 2500 | 0 | 1 | m.c | c | c | c |
| | Leuchars ... | 1031·2 | -14 | WNW | 1 | c | 52 | 65 | 7 | 5 | - | - | 9+ | 9+ | 4000 | 1030·0 | -4 | N | 1 | c | 50 | 75 | 8 | 5 | - | - | 10 | 10 | 4000 | 0 | * | cm. | c | c | c |
| 12 | Renfrew (Abbots I.) | 1031·5 | -10 | - | 0 | $Z_o$ | 52 | 65 | 6 | 5 | - | - | 10 | 10 | 4000 | 1029·7 | -6 | NW | 2 | c | 51 | 75 | 7 | 5 | - | - | 9 | 9 | 5700 | 0 | * | bffcz. | cz.c | ccm. | m.ccm |
| | Eskdalemuir ... | 1030·1 | -12 | NE'E | 3 | bc | 5[illegible] | 55 | 6 | 1 | - | - | 2-3 | 2-3 | 4000 | 1029·1 | 0 | NE | 4 | b | 50 | 55 | 6 | - | 6 | - | 0 | Tr | - | 0 | * | cbcy | byz. | bcz. | bc c.m.x |
| | Point of Ayre... | 1031·2 | -10 | NW'N | 2 | bc | 54 | 85 | 7 | - | - | 4 | 0 | 2-3 | - | 1028·6 | -16 | N'W | 5 | b | 50 | 85 | 7 | - | - | - | 0 | 0 | - | 0 | 3 | bbc | bcb | b | cffcw |
| 13A | Tiree ... ... | 1033·3 | -2 | NNW | 2 | c | 51 | 75 | 8 | 5 | - | - | 9 | 9 | 4000 | 1031·6 | -6 | NNW | 3 | c | 48 | 85 | 8 | 5 | 1 | - | 9+ | 9+ | 4000 | 0 | 2 | c | c | c | c |
| 13B | Stornoway ... | 1032·9 | -4 | WNW | 3 | c | 49 | 65 | 8 | 5 | 2 | - | 7-8 | 10 | 2500 | 1031·4 | -4 | WNW | 3 | c | 48 | 75 | 8 | 5 | 2 | - | 4-6 | 10 | 2500 | 1 | 2 | c | c | c | c |
| 15 | Dalwhinnie ... | 1032·2 | -4 | NNW | 3 | c | 47 | 65 | 8 | 5 | - | - | 10 | 10 | 4000 | * | -4 | NNW | 2 | c | 44 | 75 | 8 | 5 | - | - | 10 | 10 | 4000 | 0 | * | c | c | * | c |
| | Aberdeen ... | 1030·2 | -10 | NW'N | 4 | c | 52 | 75 | 8 | 8 | - | 1* | 9+ | 9+ | 2500 | 1029·4 | -6 | NW'N | 4 | c | 48 | 75 | 6 | 5 | - | - | 10 | 10 | 4000 | 0 | 1 | c | c | cpr. | c |
| | Wick ... | 1030·2 | -4 | NW | 5 | c | 51 | 65 | 7 | 8 | 7 | - | 7-8 | 9 | 1500 | 1029·2 | -8 | NW | 3 | c | 47 | 85 | 7 | 5 | 2 | - | 9 | 10 | 1500 | 1 | 1 | c | c | c | c |
| 16 | Lerwick ... | 1027·9 | -4 | WNW | 4 | c | 50 | 75 | 8 | 8 | 7 | - | 7-8 | 9+ | 1500 | 1027·1 | -2 | NW | 4 | c | 48 | 75 | 7 | 8 | 7 | - | 7-8 | 10 | 1500 | 0 | * | c | c | c | c |
| 17 | Blacksod Point | 1033·8 | -8 | N'E | 4 | bc | 54 | 75 | 8 | - | - | 7 | 0 | 4-6 | - | 1032·2 | -12 | N'E | 5 | c | 51 | 75 | 9 | - | - | 4 | 0 | 7-8 | - | 0 | 4 | bc | bc | bc | bc |
| 18 | Malin Head ... | 1034·0 | -4 | N | 3 | c | 51 | 85 | 8 | 8 | 7 | - | 4-6 | 9+ | 2500 | 1032·6 | -8 | NNW | 3 | c | 49 | 85 | 8 | 8 | - | - | 9+ | 9+ | 2500 | 0 | 1 | c | c | c | c |
| | Aldergrove ... | 1032·6 | -10 | N'W | 4 | c | 52 | 65 | 8 | 5 | - | 6 | 7-8 | 9 | 2500 | 1031·5 | -2 | N | 3 | c | 49 | 65 | 8 | 5 | - | - | 9+ | 9+ | 2500 | 0 | * | c | cyc | cbxm. | bxm.fb |
| 19 | Birr Castle ... | 1032·8 | -14 | N | 1 | bc | 55 | 65 | 7 | - | - | 8 | 0 | 2-3 | - | 1030·5 | -12 | N | 1 | bc | 56 | 55 | 7 | - | - | 8 | 0 | 2-3 | - | 0 | * | bbc | bc | bc | bcoff |
| 20 | Valentia Obsy. † | 1032·3 | -10 | WNW | 3 | b | 57 | 65 | 7 | - | - | 1 | 0 | Tr | - | 1030·2 | -10 | NE'N | 3 | b | 59 | 55 | 8 | - | - | - | 0 | 0 | - | 0 | 1 | bwb | by | b | bbw |
| | Roches Point | 1031·8 | * | ESE | 2 | b | 54 | 75 | 7 | - | - | - | 0 | 0 | - | 1029·9 | * | SE | 3 | b | 52 | 85 | 7 | - | - | - | 0 | 0 | - | 0 | 1 | bz.b | b | bwz. | bwz.b |

## EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

### COLUMNS 5, 19, 37, 38, 39, 40—BEAUFORT NOTATION AND SYMBOLS FOR WEATHER.

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog ,, less than 220 yds.
fs, low fog over sea (coast station).
fg, low fog over land (inland station).
m, mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jf, fog at a distance, but not at station.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/s., slight storm of drifting snow (generally low).
k/S, heavy storm of drifting snow (generally low).
s./k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze: the turbid atmosphere of dry weather.
h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus R, heavy rain. $r_o$, slight rain. rr, continuous rain.
<, less than (for cloud height).
⊕, Solar halo. ☽ lunar halo. ⫽ gale.
With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions thus:—bc/r, fair weather after rain; —, has decreased; +, has increased.

### COLUMNS 9, 23.—FORM OF LOW CLOUD.

0 No low clouds.
1 Fair weather Cu.
2 Large Cu without anvil.
3 Cb.
4 Sc formed by the spreading out of Cu.
5 Layer of St or Sc.
6 Ragged low clouds of bad weather (or fractonimbus).
7 Fair weather Cu. and Sc.
8 Large-Cu (or Cb) and Sc.
9 Large-Cu (or Cb) and ragged low clouds of bad weather.

### COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4-6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries.
"tr" signifies a small amount of cloud (trace) covering less than 1/20 of the sky.
"9+" signifies an overcast sky with a few small openings.

### COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

0 No medium clouds.
1 Typical As (thin).
2 Typical As (thick) (sun or moon invisible), or Nimbostratus (Ns).
3 Single layer of Ac or high Sc.
4 Ac in isolated patches. Individually decreasing (often lenticular).
5 Ac in bands (increasing).
6 Ac formed from the spreading out of Cu.
7 Ac associated with As or As with parts resembling Ac.
8 Ac Castellatus (or Ac in ragged fragments).
9 Ac in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

### COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

0 No cirriform cloud.
1 Fine Ci not increasing: sparse.
2 Fine Ci not increasing: abundant but not a continuous layer.
3 Anvil Ci (usually dense).
4 Fine Ci increasing: usually in tufts.
5 Ci or Cs increasing: still below 45° altitude: often in polar bands.
6 Ci or Cs increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Cs covering whole sky.
8 Cs not increasing and not covering whole sky.
9 Cc predominating, and a little cirrus.
(Cc may occur with any of the types 1 to 8).

Cloud form abbreviations:—
Cirrus,–Ci: Cirrocumulus,–Cc: Cirrostratus,–Cs: Altocumulus,–Ac: Altostratus,–As
Stratocumulus,–Sc: Stratus,–St: Nimbostratus,–Ns: Cumulus,–Cu: Cumulonimbus,–Cb

### COLUMN 29.—STATE OF GROUND.

0 .. Ground dry.
1 .. ,, wet.
2 .. ,, flooded.
3 .. ,, frozen hard and dry.
4 .. ,, partly covered with snow or hail.
5 .. ,, covered with ice or glazed frost.
6 .. Ground covered with thawing snow.
7 .. ,, covered with snow, less than 6 ins., deep but ground not frozen.
8 .. ,, covered with snow, less than 6 ins., but ground frozen.
9 .. ,, covered with snow greater than 6 ins. deep.

NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

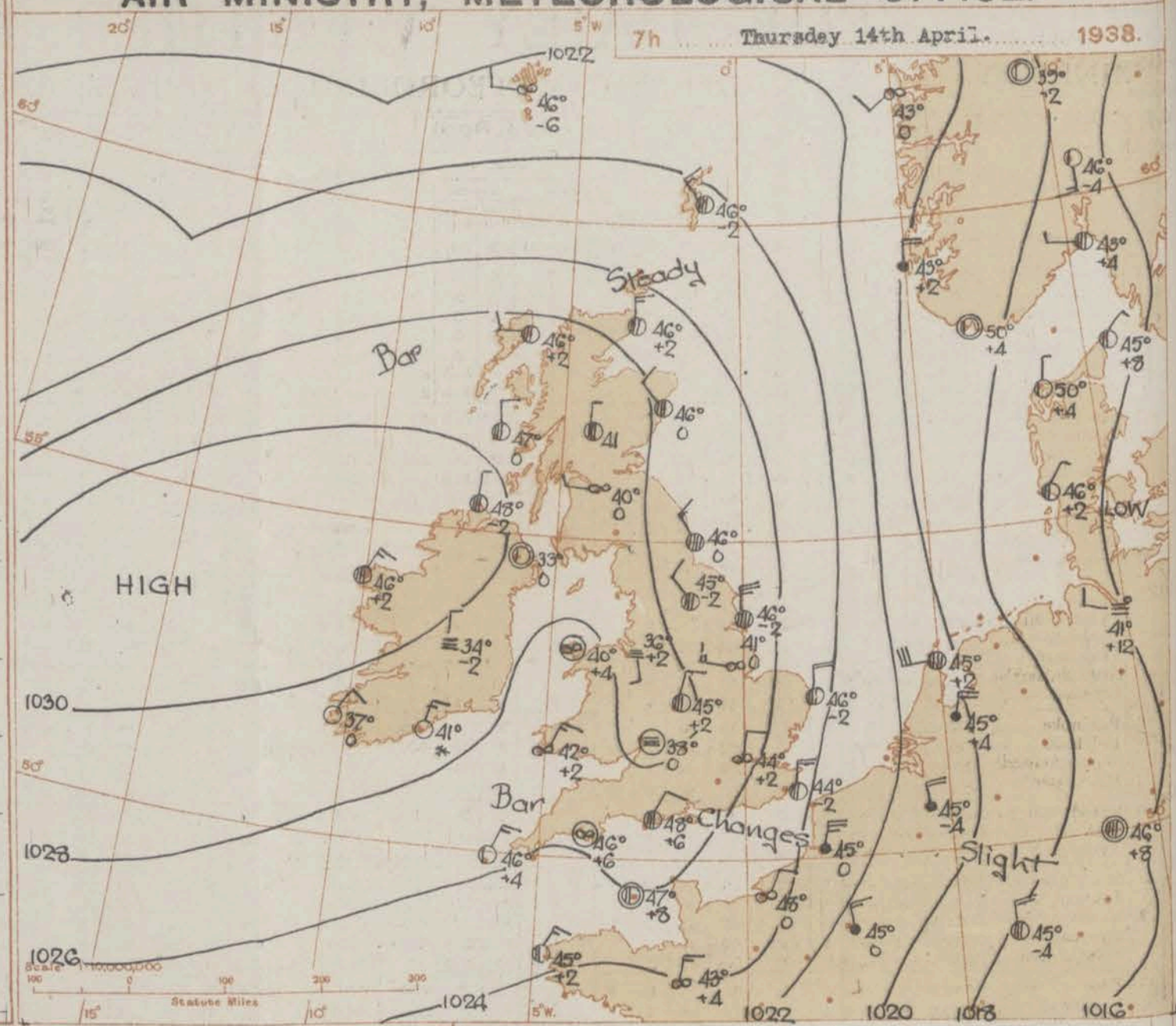
† Sea disturbance reported from Dungeness.

# AIR MINISTRY, METEOROLOGICAL OFFICE.

REPORTS from HEALTH RESORTS for 13th April 1938.

| Districts. | Stations. | Weather. Forenoon. | Weather. Afternoon. | Temperature. (°F.) Min. 9h. 12th to 9h. 13th | Temperature. (°F.) Max. 9h.—17h. 13th | Rainfall. (mm.) Night. 17h. 12th to 9h. 13th | Rainfall. (mm.) Day. 9h.—17h. 13th | Sunshine. (Hrs.) Sunrise to 17h. 13th | Sunshine. (Hrs.) Sunrise to Sunset. 12th |
|---|---|---|---|---|---|---|---|---|---|
| 1 | Tunbridge W. | b | bbc | 28 | 60 | - | - | 10·1 | 7·6 |
| | Bournemouth | b | b | 35 | 65 | - | - | 10·9 | 11·1 |
| | Ventnor ... | bz | bz | 41 | 59 | - | - | 10·8 | 10·6 |
| | Southsea ... | b | b | 36 | 64 | - | - | 10·8 | 10·5 |
| | Bognor Regis | b | b | 37 | 67 | - | - | 10·9 | 7·7 |
| | Littlehampton | bcb | b | 36 | 59 | - | - | 11·1 | 7·8 |
| | Worthing ... | b | b | 37 | 59 | - | - | 11·0 | 7·5 |
| | Brighton ... | b | b | 37 | 60 | - | - | 10·3 | 7·0 |
| | Eastbourne† ... | byb | bbc | 40 | 55 | - | - | 10·7 | 6·6 |
| | Hastings† ... | b | bcbbc | 38 | 59 | - | - | 10·9 | 7·0 |
| | Folkestone ... | b | bbcbc | 39 | 56 | - | - | 9·4 | 6·8 |
| | Dover ... | yb | bbc | 40 | 55 | - | - | 9·3 | 6·1 |
| | Deal ... ... | b | bobbc | 37 | 55 | - | - | 8·4 | 6·0 |
| | Ramsgate ... | bc | bcz | 43 | 52 | - | - | 8·5 | 7·0 |
| | Margate ... | bbc | cbc | 43 | 52 | - | - | 8·8 | 7·2 |
| 2 | Southend ... | b | bbcc | 39 | 58 | - | - | 9·8 | 8·9 |
| | Clacton-on-Sea | bc | bc | 36 | 55 | - | - | 9·5 | 10·1 |
| | Dovercourt ... | bv | bc | 37 | 58 | - | - | 8·4 | 6·1 |
| | Lowestoft ... | bbcc | bcbbc | 35 | 57 | - | - | 5·7 | 11·4 |
| | Skegness ... | bbc | bcb | 34 | 53 | - | - | 7·9 | 10·1 |
| | Mablethorpe... | b | b | 32 | 53 | - | - | 8·8 | 9·5 |
| | Cleethorpes ... | bc | cbc | 38 | 54 | - | - | 8·7 | 9·4 |
| 3 | Leamington S. | bzb | bz | 32 | 60 | - | - | 9·4 | 11·1 |
| 4 | Cheltenham† | mwb | bcb | 34 | 60 | - | - | 6·8 | 10·7 |
| 5 | Bath ... ... | b | bz | 32 | 63 | - | - | 10·4 | 12·4 |
| | Weymouth ... | bz | bz | 36 | 63 | - | - | 11·0 | 11·8 |
| | Jersey ... | b | b | 44 | 60 | - | - | 10·9 | 2·8 |
| | Torquay ... | wbbz₀ | bbz₀y | 38 | 58 | - | - | 10·8 | 12·0 |
| | Falmouth | b | b | 41 | 61 | - | - | 9·8 | 10·9 |
| | Penzance ... | b | b | 41 | 61 | - | - | 10·3 | 10·9 |
| | St. Ives ... | b | b | 43 | 60 | - | - | 8·8 | 10·7 |
| | Bude... ... | b | b | 34 | 57 | - | - | 10·1 | 11·0 |
| | Ilfracombe ... | bcbz | bbcb | 42 | 56 | - | - | 9·8 | 10·8 |
| 6 | Aberystwyth | zcbc | bc | 36 | 55 | - | - | 7·4 | 10·8 |
| 7 | Llandudno ... | cbc | b | 35 | 52 | - | - | 7·7 | 11·2 |
| | Colwyn Bay... | bbcbc | bcb | 38 | 52 | - | - | 10·9 | 11·2 |
| | Rhyl ... ... | m₀bbc | bcb | 32 | 51 | - | - | 8·4 | 10·9 |
| 8 | Wallasey ... | cbcb | b | 41 | 53 | - | - | 5·5 | 10·7 |
| | Southport ... | ombcz | bczbz | 35 | 52 | - | - | 7·2 | 10·6 |
| | Blackpool ... | omfbm | bm₀ | 32 | 55 | Tr | - | 6·1 | 10·7 |
| | Morecambe ... | b | bbc | 36 | 54 | - | - | 10·9 | 12·0 |
| 9 | Ilkley... ... | b | b | 32 | 61 | - | - | 9·7 | 11·5 |
| | Harrogate ... | b | bbcc | 34 | 57 | - | - | 8·5 | 11·2 |
| 10 | Berwick-on-T. | oc | co | 33 | 52 | - | - | 0·7 | 11·1 |
| 11 | Dunbar ... | cm₀ | cm₀ | 37 | 52 | - | - | 0·0 | 9·5 |
| 12 | Troon... ... | m₀cco | oco | 35 | 53 | - | - | 0·4 | 11·2 |
| | Douglas ... | b | bz₀ | 41 | 54 | - | - | 10·8 | 11·8 |

† Max. Temp. for period 21h. yesterday to 17h. to-day: Min. Temp. 21h.-9h.




BAROMETER. Isobars are drawn for intervals of two millibars.
WIND, WEATHER SYMBOLS. For explanation see opposite page.
SEA DISTURBANCE. Rough. High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

| Districts. | FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 14th April, 1938. |
|---|---|
| 1 S.E. England<br>2 E. England | Moderate northerly winds; bright and cloudy periods, local drizzle near coasts; average temperature. |
| 3 E. Midlands ...<br>4 W. Midlands ...<br>5 S.W. England<br>6 South Wales ...<br>7 North Wales ...<br>8 N.W. England<br>9 N. Midlands ...<br>10 N.E. England<br>11 S.E. Scotland<br>12 S.W. Scotland & Isle of Man. | Light variable or northerly winds; bright periods; local morning mist; rather warm by day; ground frost locally at night. |
| 13 A. W. Scotld. B.N.W.Scotland.<br>14 Mid Scotland<br>15 N. E. Scotland<br>16 Orkney and Shetland | Moderate westerly winds; mainly fair but slight drizzle locally; average temperature. |
| 17 N. W. Ireland<br>18 N. E. Ireland<br>19 S. E. Ireland<br>20 S. W. Ireland | As 3 - 12. |

H.M. Stationery Office Press, Kingsway, W.C.2

## GENERAL INFERENCE

An anticyclone centred to the west of Ireland is moving slowly southwards. Weather will be cloudy at times with drizzle locally in Scotland and near the east coast of England but elsewhere it will be mainly bright.

## FURTHER OUTLOOK.

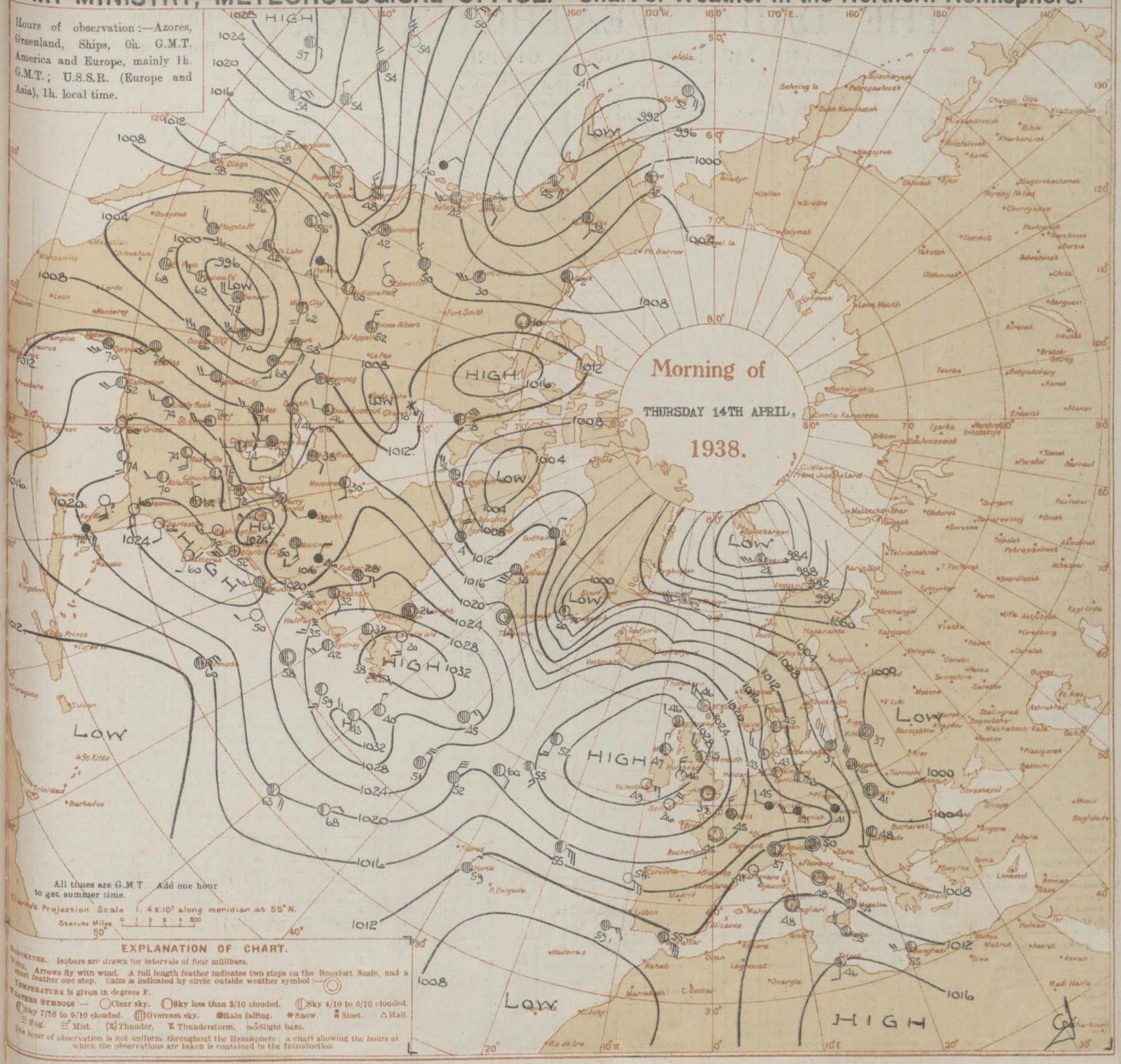
Week-end Forecast

Mainly fair weather.

Forecasts issued at 1000 G.M.T.

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S., Director.

# AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.



AIR MINISTRY.

# THE DAILY WEATHER REPORT

## OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Thursday 14th April, 1938.
No. 27902.

### OBSERVATIONS at 1 hr. G.M.T. 14th April

| District | Stations | Height above M.S.L. in feet | Barom. at M.S.L. mb. (1) | Change in 3 hours (2) | Wind Direc. (3) | Wind Force 0-12 (4) | Weather (5) | Temp. °F. (6) | Hum. % (7) | Visibility 0-9 (8) | Cloud Form Low (9) | Cloud Form Med. (10) | Cloud Form High (11) | Cloud Amount Low 0-10 (12) | Cloud Amount Total 0-10 (13) | Height of Base (feet) (14) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | London (Kew) | 18 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Croydon ... | 217 | 1026.8 | -6 | - | 0 | $Z_0$ | 39 | 92 | 5 | - | - | - | 0 | 0 | - |
| | S. Farnborough | 226 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Boscombe Down | 417 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Calshot (Sthmtn.) | 8 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Lympne ... | 346 | 1025.8 | -12 | NNW | 2 3 | b | 39 | 97 | 6 | - | - | 1 | 0 | Tr | - |
| | Manston ... | 142 | 1025.3 | -12 | NNW | 3 | bc | 43 | 92 | 8 | - | - | 5 | 0 | 2.3 | -- |
| 2 | Shoeburyness... | 11 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Felixstowe ... | 15 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Gorleston ... | 5 | 1024.9 | -4 | NWN | 4 | c | 46 | 75 | 6 | 5 | - | - | 10 | 10 | 2500 |
| | Mildenhall ... | 19 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Cranwell ... | 240 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 3 | Birmingham ... | 535 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Upper Heyford | 408 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 4 | Ross-on-Wye | 223 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 5 | Bristol ... | 209 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Portland Bill ... | 32 | 1026.4 | +6 | E | 2 | b | 48 | 85 | 6 | - | - | - | 0 | 0 | - |
| | Plymouth ... | 82 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | The Lizard ... | 240 | 1025.9 | -6 | NEN | 3 | b | 46 | 65 | 8 | - | - | - | 0 | 0 | - |
| | Scilly (St. Mary's) | 163 | 1026.8 | -10 | NE | 4 | b | 46 | 85 | 7 | - | - | - | 0 | 0 | - |
| | Guernsey .. | 175 | 1026.4 | -6 | - | 0 | $Z_0$ | 43 | 92 | 6 | - | - | - | 0 | 0 | - |
| 6 | Pembroke ... | 142 | 1026.9 | -4 | NE | 4 | q | 44 | 97 | 7 | 5 | - | - | Tr | Tr | 4000 |
| 7 | Holyhead ... | 26 | 1027.6 | -6 | NNE | 3 | b | 46 | 92 | 7 | - | - | - | 0 | 0 | - |
| | Chester (Sealand) | 16 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 8 | Manchester ... | 70 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 10 | Spurn Head ... | 29 | 1026.9 | -4 | NE | 4 | 0 | 45 | 97 | 7 | 5 | - | - | 10 | 10 | 800 |
| | Catterick ... | 175 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Tynemouth ... | 108 | 1028.5 | -2 | NNW | 3 | c | 45 | 97 | 6 | 8 | - | - | 9 | 9 | 1500 |
| 11 | St. Abb's Head .. | 280 | 1028.5 | -6 | NW | 2 | c | 46 | 85 | 7 | 5 | 2 | - | 7.8 | 10 | 2500 |
| | Leuchars ... | 36 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 12 | Renfrew (Abbotsl.) | 19 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Eskdalemuir ... | 794 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Point of Ayre... | 30 | 1028.6 | 0 | ENE | 2 | b | 46 | 92 | 7 | - | - | - | 0 | 0 | - |
| 13A | Tiree ... ... | 22 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 13B | Stornoway ... | 80 | 1029.5 | -8 | WNW | 2 | c | 46 | 92 | 7 | 5 | 2 | - | 7.8 | 10 | 1500 |
| 15 | Dalwhinnie ... | 1176 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Aberdeen ... | 79 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Wick ... | 81 | 1027.9 | -10 | NW | 3 | c | 46 | 92 | 7 | 5 | 2 | - | 9 | 10 | 1500 |
| 16 | Lerwick ... | 156 | 1025.3 | -12 | NW | 4 | c | 46 | 92 | 8 | 5 | 7 | - | 7.8 | 10 | 1500 |
| 17 | Blacksod Point | 18 | 1030.9 | -10 | SE | 3 | b | 46 | 92 | 8 | - | - | - | 0 | 0 | - |
| 18 | Malin Head ... | 84 | 1030.3 | -14 | N | 1 | c | 47 | 92 | 8 | 8 | - | 2 | 4.6 | 7.8 | 4000 |
| | Aldergrove ... | 268 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 19 | Birr Castle ... | 173 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 20 | Valentia Obsy. † | 30 | 1029.8 | -2 | E | 3 | b | 49 | 92 | 8 | - | - | - | 0 | 0 | - |
| | Roches Point | 22 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |

### OBSERVATIONS at 7 hr. G.M.T. 14th April

| District | Stations | Barom. at M.S.L. mb. (15) | Change in 3 hours (16) | Wind Direc. (17) | Wind Force 0-12 (18) | Weather (19) | Temp. °F. (20) | Humid. % (21) | Visibility 0-9 (22) | Cloud Form Low. (23) | Cloud Form Med. (24) | Cloud Form High (25) | Cloud Amount Low 0-10 (26) | Cloud Amount Total 0-10 (27) | Height of Base (feet) (28) | State of Ground 0-9 (29) | Sea 0-9 (30) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | London (Kew) | 1026.4 | +2 | NNE | 3 | $Z_0$ | 45 | 85 | 6 | 5 | - | - | 10 | 10 | 2500 | 0 | * |
| | Croydon ... | 1026.4 | +2 | NNE | 2 | $Z_0$ | 44 | 92 | 5 | 5 | - | - | 10 | 10 | 450 | 0 | * |
| | S. Farnborough | 1026.8 | +4 | N | 2 | $Z_0$ | 40 | 92 | 6 | 5 | - | - | 10 | 10 | 1500 | 0 | * |
| | Boscombe Down | 1027.4 | +6 | N | 2 | $Z_0$ | 37 | 92 | 7 | - | - | - | 0 | 0 | - | 0 | * |
| | Calshot (Sthmtn.) | 1026.5 | +6 | NNW | 3 | $Z_0$ | 43 | 85 | 6 | - | - | 1 | 0 | 2.3 | - | 0 | 2 |
| | Lympne ... | 1025.0 | -2 | N | 4 | c | 44 | 85 | 7 | 5 | - | - | 9 | 9 | 800 | 0 | §1 |
| | Manston ... | 1024.6 | +2 | N | 4 | c | 46 | 85 | 7 | 5 | - | - | 9 | 9 | 800 | 0 | * |
| 2 | Shoeburyness... | 1025.4 | 0 | N | 3 | bc | 48 | 85 | 8 | 5 | - | 1 | 4.6 | 4.6 | 2500 | 0 | * |
| | Felixstowe ... | 1025.2 | 0 | NWN | 4 | c | 45 | 85 | 8 | 5 | - | - | 9 | 9 | 800 | 0 | 2 |
| | Gorleston ... | 1024.6 | -2 | NNW | 4 | c | 46 | 85 | 6 | 5 | - | - | 9 | 9 | 2500 | 0 | 2 |
| | Mildenhall ... | 1025.9 | 0 | NNW | 3 | c | 46 | 92 | 7 | 5 | - | - | 9+ | 9+ | 1500 | 0 | * |
| | Cranwell ... | 1027.0 | 0 | WNW | 3 | $Z_0$ | 41 | 92 | 5 | 5 | 3 | - | 4.6 | 9+ | 4000 | 0 | * |
| 3 | Birmingham ... | 1028.0 | +2 | NNE | 2 | c | 45 | 75 | 5 | 5 | - | - | 9+ | 9+ | 2500 | 0 | * |
| | Upper Heyford | 1027.4 | -2 | N | 2 | $Z_0$ | 42 | 85 | 5 | - | - | - | 0 | 0 | - | 0 | * |
| 4 | Ross-on-Wye | 1028.1 | 0 | - | 0 | cf | 38 | 92 | 3 | 5 | - | - | 10 | 10 | 1500 | 0 | * |
| 5 | Bristol ... | 1027.9 | +6 | - | 0 | $Z_0$ | 40 | 92 | 5 | 5 | - | - | 4.6 | 4.6 | 2500 | 0 | * |
| | Portland Bill ... | 1026.7 | +6 | NE | 2 | c | 48 | 75 | 6 | 4 | - | - | 7.8 | 7.8 | 2500 | 0 | 2 |
| | Plymouth ... | 1026.1 | +6 | - | 0 | $Z_0$ | 46 | 75 | 5 | - | - | - | 0 | 0 | - | 0 | 0 |
| | The Lizard ... | 1025.7 | +2 | NE | 4 | c | 47 | 85 | 6 | 5 | 1 | 7 | 4.6 | 10 | 1500 | 0 | 2 |
| | Scilly (St. Mary's) | 1026.2 | +4 | NE | 3 | b | 46 | 92 | 6 | 1 | - | - | Tr | Tr | 4000 | 0 | 2 |
| | Guernsey .. | 1026.0 | +8 | - | 0 | bc | 47 | 85 | 7 | - | 1 | 8 | 0 | 4.6 | - | 0 | 2 |
| 6 | Pembroke ... | 1027.3 | +2 | NE | 3 | $Z_0$ | 42 | 97 | 6 | - | - | - | 0 | 0 | - | 0 | 2 |
| 7 | Holyhead ... | 1027.4 | +4 | - | 0 | b/F | 40 | 97 | 5 | - | - | - | 0 | 0 | - | 0 | 1 |
| | Chester (Sealand) | 1028.3 | +2 | SSE | 1 | CF | 36 | 97 | 1 | 5 | - | - | 10 | 10 | 2500 | 0 | * |
| 8 | Manchester ... | 1027.9 | +2 | SWW | 1 | bf+ | 40 | 97 | 2 | 5 | - | - | 1 | 1 | 5700 | 1 | * |
| 10 | Spurn Head ... | 1026.2 | -2 | NNW | 5 | 0 | 46 | 92 | 6 | 5 | - | - | 10 | 10 | 2500 | 0 | 3 |
| | Catterick ... | 1027.6 | -2 | NW | 2 | c | 45 | 85 | 7 | 5 | - | - | 9+ | 9+ | 2500 | 0 | * |
| | Tynemouth ... | 1027.7 | 0 | NW | 3 | 0 | 46 | 85 | 6 | 5 | - | - | 10 | 10 | 1500 | 0 | 1 |
| 11 | St. Abb's Head .. | 1027.8 | -4 | WNW | 2 | c | 45 | 85 | 7 | 5 | 2 | - | 7.8 | 9+ | 2500 | 0 | 1 |
| | Leuchars ... | 1028.0 | -2 | WSW | 1 | c | 45 | 85 | 8 | 5 | - | - | 9+ | 9+ | 4000 | 0 | * |
| 12 | Renfrew (Abbotsl.) | 1028.7 | 0 | W | 1 | $Z_0$ | 40 | 92 | 6 | 5 | - | - | 9+ | 9+ | 5700 | 0 | * |
| | Eskdalemuir ... | 1029.1 | -2 | - | 0 | c | 33 | 97 | 6 | 5 | - | - | 9 | 9 | 2500 | 0 | * |
| | Point of Ayre... | 1028.6 | -2 | NE | 1 | c | 45 | 97 | 6 | - | 3 | - | 0 | 7.8 | - | 1 | 1 |
| 13A | Tiree ... ... | 1029.5 | 0 | NNW | 2 | c | 47 | 85 | 8 | 5 | - | - | 9+ | 9+ | 2500 | 0 | 2 |
| 13B | Stornoway ... | 1028.6 | +2 | WSW | 3 | c | 46 | 85 | 8 | 5 | 2 | - | 7.8 | 10 | 1500 | 1 | 1 |
| 15 | Dalwhinnie ... | 1028.9 | -2 | N | 1 | c | 41 | 85 | 7 | 5 | - | - | 10 | 10 | 2500 | 0 | * |
| | Aberdeen ... | 1027.0 | 0 | NW | 2 | c | 46 | 85 | 7 | 5 | - | - | 10 | 10 | 4000 | 0 | 1 |
| | Wick ... | 1026.9 | +2 | NNW | 3 | c | 46 | 92 | 7 | 5 | 2 | - | 7.8 | 10 | 1500 | 0 | 1 |
| 16 | Lerwick ... | 1024.1 | -2 | NW | 3 | c | 46 | 85 | 8 | 5 | 7 | - | 7.8 | 10 | 1500 | 0 | * |
| 17 | Blacksod Point | 1030.6 | +2 | NE | 3 | c | 46 | 85 | 8 | 4 | 3 | - | 4.6 | 7.8 | 4000 | 0 | 2 |
| 18 | Malin Head ... | 1030.2 | +2 | N | 1 | jp | 48 | 85 | 8 | 8 | 6 | - | 7.8 | 9+ | 2500 | 0 | 1 |
| | Aldergrove ... | 1029.8 | 0 | - | 0 | b | 33 | 97 | 7 | - | - | 1 | 0 | Tr | - | 0 | * |
| 19 | Birr Castle ... | 1029.5 | -2 | N'W | 1 | f | 34 | 97 | 3 | 5 | - | - | 10 | 10 | 2500 | 0 | * |
| 20 | Valentia Obsy. † | 1029.4 | 0 | NE'E | 2 | b | 37 | 92 | 8 | - | - | - | 0 | 0 | - | 0 | 1 |
| | Roches Point | 1029.0 | x | N'E | 3 | b | 41 | 92 | 8 | - | - | - | 0 | 0 | - | 0 | 1 |

### PAST 24 HOURS.

| District | Stations | Temperature Max. Day 7h–18h °F. (31) | Temperature Min. Night 18h–7h °F (32) | Temperature Min. on Grass °F. (33) | Rainfall Day 7h–18h gm. (34) | Rainfall Night 18h–7h mm. (35) | Sunshine 13th hrs. (36) |
|---|---|---|---|---|---|---|---|
| 1 | London (Kew) | 59 | 41 | 28 | - | - | 11.0 |
| | Croydon ... | 60 | 38 | 26 | - | - | 9.9 |
| | S. Farnborough | 63 | 31 | 23 | - | - | 11.4 |
| | Boscombe Down | 61 | 36 | 33 | - | - | 10.9 |
| | Calshot (Sthmtn.) | 64 | 40 | 36 | - | | 11.4 |
| | Lympne ... | 55 | 38 | 32 | - | - | 11.6 |
| | Manston ... | 53 | 41 | 38 | - | - | 8.3 |
| 2 | Shoeburyness... | 57 | 39 | 30 | - | - | 10.4 |
| | Felixstowe ... | 58 | 40 | 37 | - | - | 8.8 |
| | Gorleston ... | 55 | 41 | 40 | - | Tr | 6.6 |
| | Mildenhall ... | 56 | 36 | 29 | - | Tr | 10.0 |
| | Cranwell ... | 59 | 41 | 37 | - | - | 10.4 |
| 3 | Birmingham ... | 58 | 44 | 35 | - | - | 7.5 |
| | Upper Heyford | 59 | 39 | 28 | - | - | * |
| 4 | Ross-on-Wye | 61 | 35 | 26 | - | - | 10.0 |
| 5 | Bristol ... | 63 | 35 | 25 | - | - | 9.4 |
| | Portland Bill ... | 57 | 44 | * | - | - | * |
| | Plymouth ... | 55 | 42 | 34 | - | - | 11.7 |
| | The Lizard ... | 58 | 45 | * | - | - | 11.3 |
| | Scilly (St. Mary's) | 57 | 45 | * | - | Tr | 11.8 |
| | Guernsey .. | 56 | 42 | 37 | - | - | 12.1 |
| 6 | Pembroke ... | 55 | 41 | * | - | - | 11.2 |
| 7 | Holyhead ... | 51 | 40 | 39 | - | 0.1 | 5.2 |
| | Chester (Sealand) | 55 | 33 | 26 | - | Tr | 7.3 |
| 8 | Manchester ... | 58 | 31 | 28 | - | - | 6.1 |
| 10 | Spurn Head ... | 53 | 43 | * | - | - | 9.4 |
| | Catterick ... | 56 | 38 | 33 | - | - | 9.9 |
| | Tynemouth ... | 50 | 45 | 42 | - | - | 6.5 |
| 11 | St. Abb's Head .. | 50 | 44 | x | - | - | x |
| | Leuchars ... | 54 | 42 | 34 | - | - | 0.0 |
| 12 | Renfrew (Abbotsl.) | 53 | 38 | 34 | - | - | 0.0 |
| | Eskdalemuir ... | 57 | 30 | 24 | - | - | 8.8 |
| | Point of Ayre... | 55 | 35 | * | * | - | 10.7 |
| 13A | Tiree ... ... | 51 | 46 | 43 | - | - | 0.0 |
| 13B | Stornoway ... | 49 | 45 | * | - | - | 0.0 |
| 15 | Dalwhinnie ... | 47 | 40 | 37 | - | - | 0.0 |
| | Aberdeen ... | 52 | 45 | 44 | - | Tr | 0.0 |
| | Wick ... | 52 | 45 | * | - | - | * |
| 16 | Lerwick ... | 52 | 45 | * | - | - | 0.0 |
| 17 | Blacksod Point | 54 | 40 | * | - | - | * |
| 18 | Malin Head ... | 51 | 46 | * | - | - | 1.0 |
| | Aldergrove ... | 55 | 30 | 25 | - | - | 6.4 |
| 19 | Birr Castle ... | 58 | 31 | x | - | - | 12.1 |
| 20 | Valentia Obsy. † | 60 | 36 | 31 | Tr | Tr | 12.3 |
| | Roches Point | 55 | 40 | * | - | Tr | * |

### LONDON OBSERVATIONS

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations except for rainfall which is 9h—18h.

| | Height above M.S.L. in feet | Weather Morning. (24 hrs. ended 9h.) | Weather Afternoon. (24 hrs. ended 9h.) | Weather Night. (24 hrs. ended 9h.) | Temperature Day Max. °F. | Temperature Night Min. °F. | Temperature Min. on Grass °F. | Rainfall Day. mm. | Rainfall Night. mm. | Sunshine to Sunset. hrs. (Yesterday.) | Humidity 15h. G.M.T. % (Yesterday.) | Humidity 9h. G.M.T. % (To-day.) | Visibility 9h. (To-day.) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kew ... | 18 | bz.y | bbczy | bcybzm | 59 | 41 | 28 | - | - | 11.0 | * | * | 6 |
| Croydon ... | 217 | bfzzoy | bczoy | bczom | 60 | 38 | 26 | - | - | 9.9 | * | * | 5 |
| Greenwich (Royal Observatory)... | 149 | | | | 60 | 42 | 28 | - | - | 10.3 | 50 | 72 | 6 |
| City (Bushill Row) ... | — | * | * | * | * | * | * | * | * | 10.8 | * | * | * |
| Westminster (St. James' Park) ... | 27 | * | * | * | 61 | 44 | 37 | — | | 10.6 | 55 | 78 | * |
| Regents Pk. (Botanic Gardens)‖... | 168 | * | * | * | 61 | 42 | 33 | - | - | 10.4 | 65 | 85 | * |
| Camden Square ... | 110 | b | b | * | 63 | 43 | 31 | - | - | * | * | 80 | * |
| Kensington ... | 80 | bcz | o | * | 61 | 43 | 41 | - | - | 11.4 | At 18h. 57 | 79 | * |
| Hampstead Observatory ... | 450 | bc | bc | bcd | 58 | 40 | 33 | - | Tr | 11.8 | * | 89 | * |

### FOREIGN OBSERVATIONS.

| Stations. | 18h. G.M.T. (13th April) Barom. mb. | Wind Direc. | Wind Force. | Weather. | Temp. °F. | 7h. G.M.T. (14th April) Barom. mb. | Wind Direc. | Wind Force. | Weather. | Temp. °F. | Past 24 Hours Max. Day °F. | Min. Night °F. | Rainfall Day mm. | Rainfall Night mm. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Paris ... | 1023.9 | NE | 4 | c | 55 | 1021.8 | NNW | 3 | b | 46 | 59 | 36 | - | - |
| Brussels ... | 1023.8 | N'W | 5 | 0 | 48 | 1020.9 | N | 3 | 0 | 39 | 50 | 45 | Tr | 1 |
| Berlin ... | 1010.2 | NW | 5 | c | 55 | 1014.8 | N | 3 | $Z_0$ | 46 | 59 | 39 | - | - |
| Zurich ... | 1018.5 | NE | 2 | c | 34 | x | ENE | 1 | c | 34 | 61 | 43 | - | Tr |
| Rome ... | 1011.0 | W | 4 | b | 55 | | | | | | * | * | - | |

### Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. 14th

| South Kensington. Max. | Time. | Min. | Time. |
|---|---|---|---|
| 0.3 | 9-11h 13th | <0.3 | 2-4h 14th |

| Kew Observatory. Max. | Time. | Min. | Time. |
|---|---|---|---|
| 0.3 | 23h 13th | 0.1 | 15h 13th |

### EXPLANATION OF FIGURES, LETTERS, etc.

**COLUMNS 2, 16.**
The barometric tendency is expressed in tenths of a millibar.

**COLUMNS 4, 18.**
The Beaufort Scale of Wind is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers is the speed at about 30 feet above the ground.

| Beaufort No | Statute m/h. | Beaufort No. | Statute m/h. | Beaufort No. | Statute m/h. |
|---|---|---|---|---|---|
| 0 | <1 | 4 | 13–18 | 9 | 47–54 |
| 1 | 1–3 | 5 | 19–24 | 10 | 55–63 |
| 2 | 4–7 | 6 | 25–31 | 11 | 64–75 |
| 3 | 8–12 | 7 | 32–38 | 12 | > 75 |
| | | 8 | 39–46 | | |

**COLUMNS 34, 35.**
Tr. = rain has fallen, but amount less than 0·1 mm.

**COLUMNS 8, 22.—Code for surface visibility.**

| | Objects not visible at |
|---|---|
| 0 Dense fog | 55 yards. |
| 1 Thick fog | 220 ,, |
| 2 Fog | 550 ,, |
| 3 Moderate fog | 1,100 ,, |
| 4 Mist or haze | 1½ miles. |
| 5 Poor visibility | 2½ ,, |
| 6 Moderate ,, | 6½ ,, |
| 7 Good ,, | 12½ ,, |
| 8 Very good ,, | 31 ,, |
| 9 Excellent ,, | beyond 31 m. |

**COLUMN 30.—Code for State of Sea.**

| | |
|---|---|
| 0 Calm. | 5 Very rough |
| 1 Smooth. | 6 High. |
| 2 Slight. | 7 Very high. |
| 3 Moderate. | 8 Precipitous. |
| 4 Rough. | 9 Confused. |

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METEOROLOGICAL OFFICE, AIR MINISTRY, ADASTRAL HOUSE, KINGSWAY, LONDON, W.C.2.

GEORGE C. SIMPSON, F.C.B., D.Sc., F.R.S. Director.

† 1 hr. observations are from Valentia W/T Station. ‡ Maximum and Minimum Temperatures are for the 24 hours ending 8 h. ‖ Sea disturbance reported from Dungeness.

Page 1.

AIR MINISTRY.

# THE DAILY WEATHER REPORT

## OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Friday 15th April, 1938.
No. 2?903.

| District | Stations (For heights see p. 4.) | Barom. at M.S.L. mb. (1) | Change in 3 hours (2) | Wind Direc. (3) | Wind Force 0–12 (4) | Weather (5) | °Temp. F. (6) | % Humid. (7) | Visibility 0–9 (8) | Cloud Form Low (9) | Cloud Form Med. (10) | Cloud Form High (11) | Cloud Amount Low 0–10 (12) | Cloud Amount Total 0–10 (13) | Height of Base (feet) (14) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **OBSERVATIONS at 13h. G.M.T. 14th April** | | | | | | | | | | | | | | |
| 1 | London (Kew) | 10253 | -6 | NNE | 4 | c | 54 | 55 | 7 | 5 | - | - | 9+ | 9+ | 2500 |
| | Croydon ... | 10253 | -8 | NE | 4 | c | 54 | 55 | 6 | 5 | - | - | 9+ | 9+ | 4000 |
| | S. Farnborough | 10252 | -10 | NE | 3 | c | 56 | 55 | 7 | 5 | - | - | 7-8 | 7-8 | 4000 |
| | Boscombe Down | 1025.3 | -10 | NEN | 3 | bc | 57 | 55 | 7 | 7 | - | - | 4-6 | 4-6 | 4000 |
| | Calshot (Sthmtn.) | 10253 | -6 | NNE | 3 | c | 60 | 55 | 7 | 5 | - | - | 7-8 | 7-8 | 4000 |
| | Lympne ... | 1024.6 | -2 | NE | 5 | c | 49 | 65 | 8 7 | 5 | - | - | 10 | 10 | 2600 |
| | Manston ... | 1024.5 | -2 | NNE | 3 | c | 49 | 75 | 7 | 5 | - | - | 10 | 10 | 2500 |
| 2 | Shoeburyness ... | 10250 | -2 | N | 4 | c | 52 | 65 | 8 | 5 | 7 | - | 7-8 | 10 | 2500 |
| | Felixstowe ... | 10249 | +2 | NW | 4 | c | 51 | 65 | 8 | 5 | - | - | 10 | 10 | 2500 |
| | Gorleston ... | 1024.2 | 0 | NWN | 5 | c | 49 | 75 | 6 | 5 | - | - | 10 | 10 | 2500 |
| | Mildenhall ... | 10253 | -4 | N | 4 | c | 51 | 55 | 8 | 5 | - | - | 10 | 10 | 2500 |
| | Cranwell ... | 1026.7 | -2 | NNW | 4 | c | 50 | 65 | 8 | 5 | - | - | 10 | 10 | 2500 |
| 3 | Birmingham ... | 10263 | -4 | N | 2 | c | 55 | 65 | 5 | 5 | - | - | 9+ | 9+ | 1500 |
| | Upper Heyford | 10259 | -6 | NE | 3 | z. | 56 | 55 | 6 | 1 | - | - | 7-8 | 7-8 | 2500 |
| 4 | Ross-on-Wye | 10259 | -8 | ENE | 3 | z. | 58 | 55 | 6 | 1 | - | - | 2-3 | 2-3 | 4000 |
| 5 | Bristol ... | 10260 | -12 | NNE | 3 | z. | 59 | 55 | 6 | 1 | - | - | 1 | 1 | 2500 |
| | Portland Bill ... | 10250 | -10 | SE | 2 | bc | 65 | 75 | 7 | 1 | - | - | 2-3 | 2-3 | 2500 |
| | Plymouth ... | 1025.5 | -4 | SWS | 3 | z. | 57 | 65 | 6 | - | - | - | 0 | 0 | - |
| | The Lizard ... | 10256 | 0 | ES | 2 | c | 56 | 75 | 6 | - | - | 7 | 0 | 10 | - |
| | Scilly (St. Mary's) | 10260 | -2 | NEN | 3 | z. | 53 | 85 | 6 | - | - | - | 0 | 0 | - |
| | Guernsey ... | 10254 | -2 | NE | 4 | z. | 50 | 75 | 6 | 8 | 2 | - | 7-8 | 10 | 2500 |
| 6 | Pembroke ... | 10266 | -8 | N | 2 | z. | 56 | 47 | 6 | - | - | 1 | 0 | Tr | - |
| 7 | Holyhead ... | 10273 | -2 | NNE | 4 | b | 51 | 85 | 6 | - | - | - | 0 | 0 | - |
| | Chester (Sealand) | 10273 | -10 | WNW | 3 | z. | 55 | 55 | 6 | 1 | - | - | 1 | 1 | 1500 |
| 8 | Manchester ... | 10269 | -8 | NNE | 2 | c | 56 | 55 | 7 | 7 | - | - | 9+ | 9+ | 4000 |
| 10 | Spurn Head ... | 10265 | +2 | NW | 5 | o | 49 | 92 | 7 | 5 | - | - | 10 | 10 | 2500 |
| | Catterick ... | 10270 | -6 | NE | 3 | c | 53 | 55 | 7 | 5 | - | - | 9 | 9 | 4000 |
| | Tynemouth ... | 10277 | 0 | N | 3 | o | 48 | 85 | 7 | 5 | - | - | 10 | 10 | 1500 |
| 11 | St. Abbs Head | 10277 | 0 | N | 2 | c | 49 | 75 | 7 | 2 | 6 | 9 | 2-3 | 9 | 2500 |
| | Leuchars ... | 10274 | -4 | - | 0 | c | 51 | 65 | 8 | 5 | - | - | 10 | 10 | 4000 |
| 12 | Renfrew (Abbots I.) | 10287 | -6 | NW | 3 | bc | 56 | 55 | 8 | 7 | - | - | 4-6 | 4-6 | 5700 |
| | Eskdalemuir ... | 1026.8 | -6 | W | 2 | bc | 54 | 45 | 8 | 7 | - | - | 4-6 | 4-6 | 4000 |
| | Point of Ayre ... | 1028.3 | 0 | NWN | 2 | b | 54 | 85 | 7 | - | - | - | 0 | 0 | - |
| 13A | Tiree ... | 1029.3 | 0 | NWW | 3 | c | 50 | 75 | 8 | 5 | - | - | 9+ | 9+ | 4000 |
| 13B | Stornoway ... | 1027.8 | -6 | W | 3 | c | 49 | 65 | 8 | 5 | 2 | - | 4-6 | 10 | 1500 |
| 15 | Dalwhinnie ... | 1028.1 | -6 | NW | 3 | c | 46 | 65 | 8 | 5 | - | - | 10 | 10 | 4000 |
| | Aberdeen ... | 1026.5 | -2 | WN | 3 | c | 52 | 65 | 8 | 8 | - | - | 9+ | 9+ | 4000 |
| | Wick ... | 1026.0 | -6 | NW | 4 | c | 49 | 65 | 7 | 5 | 2 | - | 7-8 | 10 | 1500 |
| 16 | Lerwick ... | 1023.2 | -8 | W | 4 | c | 48 | 85 | 8 | 8 | 2 | - | 7-8 | 10 | 1500 |
| 17 | Blacksod Point | 10303 | -6 | NE | 2 | b | 52 | 75 | 9 | - | 4 | - | 0 | Tr | - |
| 18 | Malin Head ... | 1030.2 | 0 | NNW | 2 | c | 51 | 85 | 8 | 7 | 5 | - | 4-6 | 9 | 4000 |
| | Aldergrove ... | 1029.2 | -2 | NW | 3 | c | 54 | 55 | 7 | 5 | - | - | 7-8 | 7-8 | 2600 |
| 19 | Birr Castle ... | 1029.0 | -8 | N | 1 | bc | 56 | 65 | 8 | 1 | - | - | 2-3 | 2-3 | 2500 |
| 20 | Valentia Obsy. † | 1028.6 | -2 | NE'E | 3 | b | 61 | 35 | 8 | - | - | 1 | 0 | Tr | - |
| | Roches Point | 1027.9 | * | SE | 2 | b | 55 | 65 | 8 | - | - | 1 | 0 | 1 | - |

| Stations | Barom. at M.S.L. mb. (15) | Change in 3 hours (16) | Wind Direc. (17) | Wind Force 0–12 (18) | Weather (19) | °Temp. F. (20) | % Humid. (21) | Visibility 0–9 (22) | Cloud Form Low (23) | Cloud Form Med. (24) | Cloud Form High (25) | Cloud Amount Low 0–10 (26) | Cloud Amount Total 0–10 (27) | Height of Base (feet) (28) | State of Ground 0–9 (29) | Sea 0–9 (30) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **OBSERVATIONS at 18h. G.M.T. 14th April** | | | | | | | | | | | | | | | | |
| London (Kew) | 10251 | +2 | NNE | 4 | c | 51 | 55 | 7 | 5 | - | - | 10 | 10 | 2500 | 0 | * |
| Croydon | 10250 | -2 | NNE | 4 | c | 50 | 55 | 6 | 5 | - | - | 9+ | 9+ | 4000 | 0 | * |
| S. Farnborough | 10250 | +6 | NE'N | 4 | c | 52 | 55 | 6 | 5 | 3 | - | 9 | 9+ | 4000 | 0 | * |
| Boscombe Down | 1024.3 | -2 | NE | 3 | z. | 54 | 55 | 6 | - | - | - | 0 | 0 | - | 0 | * |
| Calshot (Sthmtn.) | 1024.2 | +2 | NNE | 4 | c | 56 | 55 | 7 | - | 4 | - | 0 | Tr | - | 0 | 2 |
| Lympne | 1024.2 | -2 | NE | 4 | c | 47 | 65 | 7 | 5 | - | - | 10 | 10 | 2500 | 0 | § 2 |
| Manston | 1024.2 | +2 | NNE | 4 | c | 47 | 75 | 6 | 5 | - | - | 10 | 10 | 2500 | 0 | * |
| Shoeburyness | 1024.6 | -2 | N | 4 | c | 49 | 65 | 7 | 5 | - | - | 10 | 10 | 2500 | 0 | * |
| Felixstowe | 1024.3 | -2 | NW | 4 | c | 49 | 65 | 8 | 5 | - | - | 10 | 10 | 2500 | 0 | 2 |
| Gorleston | 1024.3 | 0 | NWN | 4 | c | 48 | 85 | 6 | 5 | - | - | 10 | 10 | 2500 | 0 | 3 |
| Mildenhall | 10253 | 0 | NW | 4 | c | 48 | 75 | 8 | 5 | - | - | 10 | 10 | 4000 | 0 | * |
| Cranwell | 10259 | -6 | NE | 4 | c | 50 | 65 | 7 | 5 | - | - | 9 | 9 | 4000 | 0 | * |
| Birmingham | 1025.0 | 0 | ENE | 3 | c | 53 | 55 | 5 | - | 3 | - | 0 | 9 | - | 0 | * |
| Upper Heyford | 1025.6 | 0 | NEN | 3 | z. | 51 | 65 | 6 | 5 | 1 | - | 2-3 | 7-8 | 2500 | 0 | * |
| Ross-on-Wye | 10244 | -6 | NEE | 3 | z. | 57 | 55 | 6 | 5 | - | - | 9+ | 9+ | 4000 | 0 | * |
| Bristol | 1024.3 | -2 | NE | 2 | z. | 56 | 65 | 5 | - | - | - | 0 | 0 | - | 0 | * |
| Portland Bill | 1023.8 | -6 | W | 2 | bc | 49 | 92 | 6 | 4 | - | - | 4-6 | 4-6 | 2500 | 0 | 2 |
| Plymouth | 1024.0 | -6 | SSW | 2 | z. | 52 | 85 | 6 | 1 | - | - | Tr | Tr | 4000 | 0 | 1 |
| The Lizard | 1024.0 | -10 | WNW | 1 | bc | 54 | 55 | 7 | 7 | - | - | 4-6 | 4-6 | 4000 | 0 | 1 |
| Scilly (St. Mary's) | 1024.8 | -8 | NEN | 3 | bc | 51 | 85 | 6 | - | - | 2 | 0 | 2-3 | - | 0 | 2 |
| Guernsey | 1024.3 | -8 | NEN | 1 | bc | 51 | 75 | 7 | - | - | 8 | 0 | 2-3 | - | 0 | 2 |
| Pembroke | 10250 | -6 | NE | 4 | b | 54 | 75 | 7 | 5 | - | - | 2-3 | 2-3 | 4000 | 0 | 1 |
| Holyhead | 10267 | -6 | NNE | 3 | b | 48 | 85 | 7 | - | - | - | 0 | 0 | - | 0 | 2 |
| Chester (Sealand) | 1026.6 | -4 | WNW | 3 | z. | 53 | 65 | 6 | - | - | - | 0 | 0 | - | 0 | * |
| Manchester | 10256 | -6 | NW | 3 | z. | 54 | 65 | 6 | 1 | - | - | 1 | 1 | 4000 | 0 | * |
| Spurn Head | 1025.7 | -4 | NW | 4 | bc | 48 | 92 | 7 | - | 4 | 8 | 0 | 4-6 | - | 0 | 3 |
| Catterick | 10263 | -2 | NEN | 3 | c | 50 | 65 | 7 | 5 | - | - | 7-8 | 7-8 | 5700 | 0 | * |
| Tynemouth | 10263 | -6 | N | 3 | bc | 48 | 85 | 7 | 5 | - | - | 2-3 | 2-3 | 1500 | 0 | 2 |
| St. Abbs Head | 10269 | -4 | WNW | 1 | bc | 51 | 65 | 7 | 7 | 4 | - | 4-6 | 4-6 | 2500 | 0 | 1 |
| Leuchars | 10263 | -8 | WNW | 2 | c | 53 | 65 | 8 | 5 | - | - | 9+ | 9+ | 4000 | 0 | * |
| Renfrew (Abbots I.) | 10268 | -2 | NW | 4 | bc | 52 | 65 | 7 | 5 | - | - | 4-6 | 4-6 | 5700 | 0 | * |
| Eskdalemuir | 1025.8 | -2 | NE | 2 | bc | 52 | 55 | 6 | 5 | - | - | 4-6 | 4-6 | 4000 | 1 | * |
| Point of Ayre | 10270 | -4 | NNW | 4 | b | 50 | 75 | 8 | 1 | - | - | Tr | Tr | 2500 | 0 | 2 |
| Tiree | 10284 | -4 | NWN | 2 | c | 48 | 85 | 8 | 5 | - | - | 9+ | 9+ | 4000 | 0 | 2 |
| Stornoway | 10273 | -2 | W | 3 | c | 48 | 65 | 8 | 5 | 2 | - | 7-8 | 10 | 2500 | 1 | 2 |
| Dalwhinnie | 10277 | -4 | NW | 2 | c | 45 | 65 | 8 | 5 | - | - | 10 | 10 | 4000 | 0 | * |
| Aberdeen | 10260 | -2 | NNW | 3 | c | 49 | 65 | 6 | 7 | - | - | 9+ | 9+ | 4000 | 0 | ! |
| Wick | 10257 | -2 | WNW | 3 | c | 48 | 85 | 7 | 5 | 2 | - | 7-8 | 10 | 1500 | 0 | ! |
| Lerwick | 1022.7 | -2 | WNW | 4 | c | 48 | 75 | 8 | 5 | 7 | - | 4-6 | 10 | 1500 | 0 | * |
| Blacksod Point | 1029.2 | -10 | NE | 4 | b | 51 | 75 | 8 | - | - | - | 0 | 0 | - | 0 | 4 |
| Malin Head | 10295 | -2 | NNW | 1 | c | 48 | 75 | 8 | 8 | 6 | - | 7-8 | 9 | 4000 | 0 | 1 |
| Aldergrove | 10289 | +6 | NW | 3 | bc | 49 | 65 | 8 | 5 | - | - | 2-3 | 2-3 | 4000 | 0 | * |
| Birr Castle | 10273 | -6 | N | 1 | b | 58 | 55 | 8 | - | - | - | 0 | 0 | - | 0 | * |
| Valentia Obsy. † | 10265 | -8 | ENE | 3 | bc | 59 | 55 | 8 | - | - | 6 | 0 | 4-6 | - | 0 | 1 |
| Roches Point | 10263 | * | SE | 1 | b | 51 | 85 | 7 | - | - | - | 0 | 0 | - | 0 | 1 |

| Stations | PAST 24 HOURS. Weather 7h.–13h. 14th (37) | 13h.–18h. 14th (38) | 18h. 14th to 1h. 15th (39) | 1h.–7h. 15th (40) |
|---|---|---|---|---|
| London (Kew) | cm.cy | cy | cybc | cm. |
| Croydon | cm.z. | cz.y | cyz.bw | bwm. |
| S. Farnborough | bm.cy | cbccy | bccbm. | bxqm. |
| Boscombe Down | bm.bbcy | bybz.y | bz.yc | cbcbxb |
| Calshot (Sthmtn.) | bcz.y | bcbz.y | bm. | bwm.,bcm |
| Lympne | cbcc | c | c | c |
| Manston | cbcc | c | cm.bc | bcc |
| Shoeburyness | bcp.c | c | c | c |
| Felixstowe | cbcc | c | c | c |
| Gorleston | cq | cq | cq | cbc |
| Mildenhall | ccy | cyc | c,bwx | bffbFFex |
| Cranwell | cm.c | cy | cb | cbm.cm. |
| Birmingham | c | cbcc | cbc | bcc |
| Upper Heyford | bcz.y | cz.y | cz.bm. | bm. |
| Ross-on-Wye | cfbmbz. | byz. | cz. | cbmbcwbm |
| Bristol | bc b | bz.y | bz.m. | bm.x |
| Portland Bill | bbc | bcz. | bcb | bcc |
| Plymouth | bz.y | bm. | bm. | bm.c |
| The Lizard | cz. | czbcy | bcc | cbc |
| Scilly (St. Mary's) | bbcbz. | bbcz. | cz.off | fmcbcc |
| Guernsey | bcbzc | czbcz | bcwz | bbcc |
| Pembroke | bz. | bz.bc | b | bbcz. |
| Holyhead | bm. | bm. | bw | bw |
| Chester (Sealand) | offebzbcy | bz.y | bz.m.w | bffecm |
| Manchester | bffz.c | cbcbz. | bz.,cf | cffw |
| Spurn Head | oco | oc | bbcw | c |
| Catterick | c | cz.bc | bcc | bccm. |
| Tynemouth | o | obc | bcc | coc |
| St. Abbs Head | c | cbc | c | cm. |
| Leuchars | c | c | c | c |
| Renfrew (Abbots I.) | cz.cbc | bcy | bc | bcbm.w |
| Eskdalemuir | cbcy | bcy | bc | bcxc |
| Point of Ayre | cb | b | bbcb | bw |
| Tiree | c | c | c | c |
| Stornoway | c | c | c | c |
| Dalwhinnie | c | e | | c |
| Aberdeen | c | c | cz.* | cz.c |
| Wick | c | c | c | c |
| Lerwick | cpr. | cpr. | c | cpr. |
| Blacksod Point | bcb | bc | b | b |
| Malin Head | c | c | c | c |
| Aldergrove | bxcy | cyby | b,c | c |
| Birr Castle | offbc | bcb | b | bbc |
| Valentia Obsy. † | bwy | bbcy | bcyb | bbcw |
| Roches Point | b | b | bw | bwb |

## EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

### COLUMNS 5, 19, 37, 38, 39, 40—BEAUFORT NOTATION AND SYMBOLS FOR WEATHER.

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog ,, less than 220 yds.
fs, low fog over sea (coast station).
fg, low fog over land (inland station).
m, mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jf, fog at a distance, but not at station.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k's$_o$, slight storm of drifting snow (generally low).
k/S, heavy storm of drifting snow (generally low).
s$_o$/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze: the turbid atmosphere of dry weather.
h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus R, heavy rain. r$_o$, slight rain.
rr, continuous rain.
<, less than (for cloud height).
⊕, Solar halo. ⦶ lunar halo. ⁄ gale.

With present weather is combined, whenever possible, the general character of the weather.

A "solidus" divides actual existing weather from preceding conditions thus:—bc/r, fair weather after rain; —, has decreased; +, has increased.

### COLUMNS 9, 23.—FORM OF LOW CLOUD.

0 No low clouds.
1 Fair weather Cu.
2 Large Cu without anvil.
3 Cb.
4 Sc formed by the spreading out of Cu.
5 Layer of St or Sc.
6 Ragged low clouds of bad weather (or fractonimbus).
7 Fair weather Cu. and Sc.
8 Large-Cu (or Cb) and Sc.
9 Large-Cu (or Cb) and ragged low clouds of bad weather.

### COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4-6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries. "tr" signifies a small amount of cloud (trace) covering less than 1/20 of the sky. "9+" signifies an overcast sky with a few small openings.

### COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

0 No medium clouds.
1 Typical As (thin).
2 Typical As (thick) (sun or moon invisible), or Nimbostratus (Ns).
3 Single layer of Ac or high Sc.
4 Ac in isolated patches. Individually decreasing (often lenticular).
5 Ac in bands (increasing).
6 Ac formed from the spreading out of Cu.
7 Ac associated with As or As with parts resembling Ac.
8 Ac Castellatus (or Ac in ragged fragments).
9 Ac in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

### COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

0 No cirriform cloud.
1 Fine Ci not increasing: sparse.
2 Fine Ci not increasing: abundant but not a continuous layer.
3 Anvil Ci (usually dense).
4 Fine Ci increasing: usually in tufts.
5 Ci or Cs increasing: still below 45° altitude: often in polar bands.
6 Ci or Cs increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Cs covering whole sky.
8 Cs not increasing and not covering whole sky.
9 Cc predominating, and a little cirrus.
(Cc may occur with any of the types 1 to 8).

Cloud form abbreviations:—
Cirrus,–Ci: Cirrocumulus,–Cc: Cirrostratus,–Cs: Altocumulus,–Ac: Altostratus,–As
Stratocumulus,–Sc: Stratus,–St: Nimbostratus,–Ns: Cumulus,–Cu: Cumulonimbus,–Cb

### COLUMN 29.—STATE OF GROUND.

0 .. Ground dry.
1 .. ,, wet.
2 .. ,, flooded.
3 .. ,, frozen hard and dry.
4 .. ,, partly covered with snow or hail.
5 .. ,, covered with ice or glazed frost.
6 .. Ground covered with thawing snow.
7 .. ,, covered with snow, less than 6 ins., deep but ground not frozen.
8 .. ,, covered with snow, less than 6 ins., but ground frozen.
9 .. ,, covered with snow greater than 6 ins. deep.

NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

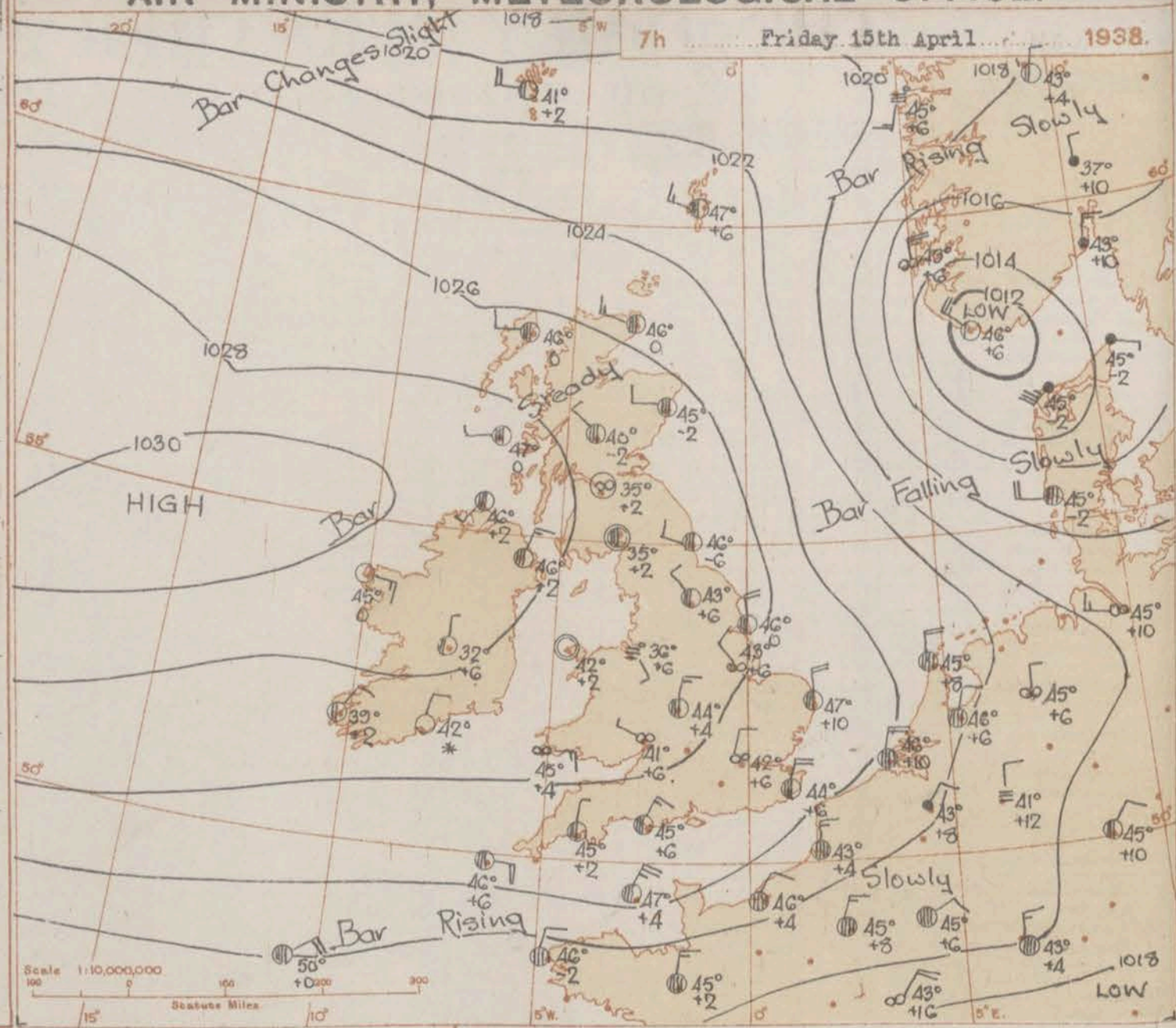
§ See disturbance reported from Dungeness.

# AIR MINISTRY, METEOROLOGICAL OFFICE.

## REPORTS from HEALTH RESORTS for 14th April 1938.

| Districts | Stations | Weather: Forenoon | Weather: Afternoon | Temperature (°F.) Min. 9h. 13th to 9h. 14th | Temperature Max. 9h.—17h. 14th | Rainfall (mm.) Night. 17h. 13th to 9h. 14th | Rainfall Day. 9h.—17h. 14th | Sunshine (Hrs.) Sunrise to 17h. 14th | Sunshine Sunrise to Sunset. 13th |
|---|---|---|---|---|---|---|---|---|---|
| 1 | Tunbridge W. | cbcc | co | 32 | 54 | - | - | 1·5 | 10·6 |
| | Bournemouth | b | b | 38 | 65 | - | - | 10·2 | 10·9 |
| | Ventnor ... | bz | bz | 41 | 59 | - | - | 9·7 | 11·4 |
| | Southsea ... | b | b | 41 | 62 | - | - | 10·3 | 11·3 |
| | Bognor Regis | bbc | bcbc | 39 | 55 | - | - | 10·3 | 10·5 |
| | Littlehampton | bc | bc | 37 | 60 | - | - | 7·6 | 11·5 |
| | Worthing ... | bcb | bcc | 40 | 57 | - | - | 8·3 | 11·0 |
| | Brighton ... | bbc | cbc | 39 | 57 | - | - | 4·2 | 10·5 |
| | Eastbourne† ... | bccoy | oy | 40 | 56 | - | - | 2·5 | 11·4 |
| | Hastings† ... | bcco | o | 39 | 55 | - | - | 3·6 | 11·1 |
| | Folkestone ... | bbc | co | 42 | 54 | - | - | 4·2 | 9·5 |
| | Dover ... | ybcco | o | 43 | 54 | - | - | 4·2 | 9·3 |
| | Deal ... ... | bcbco | o | 41 | 55 | - | - | 3·6 | 8·6 |
| | Ramsgate ... | c | o | 45 | 51 | - | - | 3·3 | 8·5 |
| | Margate ... | cbc | c | 44 | 48 | - | - | 2·7 | 8·9 |
| 2 | Southend ... | co | o | 40 | 50 | - | - | 1·4 | 10·0 |
| | Clacton-on-Sea | bcc | c | 40 | 52 | - | - | 2·7 | 9·5 |
| | Dovercourt ... | bc | oc | 43 | 51 | - | - | 2·3 | 8·4 |
| | Lowestoft ... | c | c | 41 | 52 | - | - | 0·7 | 5·7 |
| | Skegness ... | o | oc | 39 | 51 | - | - | 0·0 | 8·6 |
| | Mablethorpe... | o | o | 38 | 50 | - | - | 0·0 | 9·4 |
| | Cleethorpes ... | c | c | 43 | 51 | - | - | 0·0 | 9·5 |
| 3 | Leamington S. | bzbc | bc | 40 | 58 | - | - | 7·2 | 9·4 |
| 4 | Cheltenham† | wbbc | bcbz. | 38 | 62 | - | - | 9·0 | 7·2 |
| 5 | Bath ... ... | b | b | 36 | 61 | - | - | 10·0 | 10·5 |
| | Weymouth ... | cbz | bz | 42 | 55 | - | - | 9·5 | 11·4 |
| | Jersey ... | bcb | bcb | 48 | 66 | - | - | 10·5 | 12·0 |
| | Torquay ... | wbzb | bbzy | 40 | 59 | - | - | 10·8 | 11·6 |
| | Falmouth | b | b | 42 | 59 | - | - | 10·2 | 11·5 |
| | Penzance ... | b | b | 42 | 58 | - | - | 10·2 | 11·4 |
| | St. Ives ... | b | b | 43 | 60 | - | - | 9·6 | 10·4 |
| | Bude... ... | b | b | 31 | 58 | - | - | 9·8 | 11·8 |
| | Ilfracombe ... | bbcbz | bbz | 43 | 57 | - | - | 10·3 | 11·2 |
| 6 | Aberystwyth | zbc | bc | 36 | 53 | - | - | 10·4 | 9·9 |
| 7 | Llandudno ... | b | b | 36 | 54 | - | - | 9·9 | 9·0 |
| | Colwyn Bay... | zb | b | 36 | 52 | - | - | 10·5 | 11·9 |
| | Rhyl ... ... | mbz. | bz. | 34 | 55 | - | - | 9·5 | 9·7 |
| 8 | Wallasey ... | bbcb | b | 40 | 54 | - | - | 8·0 | 5·9 |
| | Southport ... | b | b | 35 | 58 | - | - | 10·6 | 7·6 |
| | Blackpool ... | bm. | bz. | 32 | 55 | - | - | 10·5 | 6·6 |
| | Morecambe ... | b | cbbc | 42 | 56 | - | - | 10·2 | 11·1 |
| 9 | Ilkley... ... | bcc | bc | 41 | 59 | - | - | 2·3 | 9·7 |
| | Harrogate ... | c | cbbcc | 40 | 55 | - | - | 2·6 | 8·3 |
| 10 | Berwick-on-T. | o | c | 41 | 51 | Trace | - | 0·4 | 0·7 |
| 11 | Dunbar ... | cm. | cm. | 44 | 52 | - | - | 0·6 | 0·0 |
| 12 | Troon ... ... | xbcb | bcb | 36 | 54 | - | - | 9·1 | 0·4 |
| | Douglas ... | bz | bz. | 38 | 55 | - | - | 9·2 | 12·0 |

† Max. Temp. for period 21h. yesterday to 17h. to-day: Min. Temp. 21h.–9h.




BAROMETER. Isobars are drawn for intervals of two millibars.
WIND, WEATHER SYMBOLS. For explanation see opposite page.
SEA DISTURBANCE. Rough. High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

| Districts | FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 15th April 1938. |
|---|---|
| 1 S.E. England<br>2 E. England ... | Light variable to northerly winds, freshening; cloudy periods; local coast drizzle; average temperature. |
| 3 E. Midlands ...<br>4 W. Midlands ...<br>5 S.W. England<br>6 South Wales ...<br>7 North Wales ...<br>8 N.W. England<br>9 N. Midlands ... | Light to moderate variable winds; fair; rather warm by day, ground frost locally at night. |
| 10 N.E. England<br>11 S.E. Scotland<br>12 S.W. Scotland & Isle of Man. | Light to moderate northwesterly winds; mainly fair; rather warm today, ground frost locally tonight; average temperature tomorrow. |
| 13 A. W. Scotld. B.N.W.Scotland.<br>14 Mid Scotland<br>15 N. E. Scotland<br>16 Orkney and Shetland | Light to moderate westerly to northwesterly winds; cloudy periods; showers; snow or sleet on high ground; becoming colder. |
| 17 N. W. Ireland | As 10 - 12. |
| 18 N. E. Ireland<br>19 S. E. Ireland<br>20 S. W. Ireland | Light to moderate variable to easterly winds; fine; rather warm by day; ground frost at night. |

### GENERAL INFERENCE

An anticyclone stretches across the North Atlantic from New Foundland to the British Isles and a secondary disturbance off Southern Norway is developing and moving southwards. Mainly fair weather will continue but there will be occasional rain in the extreme north of Scotland.

### FURTHER OUTLOOK.

Little change in the West and Southwest: becoming less settled and colder in the North and Northeast.

Forecasts issued at 1030 G.M.T. GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S., Director.

H.M. Stationery Office Press, Kingsway W.C.2

# AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

Page 4.

AIR MINISTRY.

# THE DAILY WEATHER REPORT

## OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Friday 15th April, 1938
No. 27903

### OBSERVATIONS at 1 hr. G.M.T. 15th April

| District | Stations | Height above M.S.L. in feet | Barom. at M.S.L. mb. (1) | Change in 3 hours (2) | Wind Direc. (3) | Wind Force 0–12 (4) | Weather (5) | Temp. °F. (6) | Humid. % (7) | Visibility 0–9 (8) | Cloud Form Low (9) | Cloud Form Med. (10) | Cloud Form High (11) | Cloud Amount Low 0–10 (12) | Cloud Amount Total 0–10 (13) | Height of Base (feet) (14) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | London (Kew) | 18 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Croydon ... | 217 | 1025·1 | -2 | NNE | 2 | b | 43 | 85 | 7 | - | - | - | 0 | 0 | - |
| | S. Farnborough | 226 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Boscombe Down | 417 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Calshot (Sthmtn.) | 8 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Lympne ... | 346 | 1024·5 | -2 | N'E | 3 | c | 44 | 85 | 7 | 5 | - | - | 10 | 10 | 2500 |
| | Manston ... | 142 | 1024·2 | -2 | N'E | 3 | bc | 45 | 85 | 7 | 5 | - | - | 2-3 | 2-3 | 2500 |
| 2 | Shoeburyness ... | 11 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Felixstowe ... | 15 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Gorleston ... | 5 | 1024·4 | +2 | NNW | 4 | c | 45 | 85 | 7 | 5 | - | - | 9 | 9 | 2500 |
| | Mildenhall ... | 19 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Cranwell ... | 240 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 3 | Birmingham ... | 535 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Upper Heyford | 408 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 4 | Ross-on-Wye | 223 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 5 | Bristol ... | 209 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Portland Bill ... | 32 | 1025·0 | +4 | ENE | 2 | b | 44 | 85 | 7 | - | - | - | 0 | 0 | - |
| | Plymouth ... | 82 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | The Lizard ... | 240 | 1024·5 | +2 | E | 3 | c | 48 | 85 | 7 | - | - | 7 | 0 | 10 | - |
| | Scilly (St. Mary's) | 163 | 1024·8 | 0 | NE | 3 | F f | 46 | 97 | 1 | - | - | - | 10 | 10 | 450 |
| | Guernsey ... | 175 | 1024·6 | 0 | NE | 4 | b | 47 | 75 | 7 | - | - | - | 0 | 0 | - |
| 6 | Pembroke ... | 142 | 1025·8 | +2 | NE'E | 3 | b | 46 | 85 | 7 | - | - | - | 0 | 0 | - |
| 7 | Holyhead ... | 26 | 1027·2 | 0 | N'W | 2 | b | 45 | 92 | 7 | 1 | - | - | Tr | Tr | 4000 |
| | Chester (Sealand) | 16 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 8 | Manchester ... | 70 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 10 | Spurn Head ... | 29 | 1026·0 | 0 | NW'N | 4 | c | 42 | 92 | 7 | 5 | - | - | 10 | 10 | 4000 |
| | Catterick ... | 175 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Tynemouth ... | 108 | 1026·9 | 0 | W | 2 | c | 46 | 75 | 6 | 5 | - | - | 9+ | 9+ | 1500 |
| 11 | St. Abbs Head ... | 280 | 1027·1 | 0 | - | 0 | c | 47 | 75 | 8 | 5 | 2 | - | 7-8 | 9+ | 2500 |
| | Leuchars ... | 36 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 12 | Renfrew (Abbots I.) | 19 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Eskdalemuir ... | 794 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Point of Ayre ... | 30 | 1027·4 | +2 | N'E | 3 | b | 45 | 85 | 8 | - | - | - | 0 | 0 | - |
| 13A | Tiree ... | 22 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 13B | Stornoway ... | 80 | 1026·5 | -6 | SW | 3 | c | 46 | 85 | 7 | 5 | 2 | - | 4-6 | 10 | 2500 |
| 15 | Dalwhinnie ... | 1176 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Aberdeen ... | 79 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Wick ... | 81 | 1025·5 | -2 | NW | 3 | c | 44 | 85 | 8 | 5 | 2 | - | 7-8 | 10 | 1500 |
| 16 | Lerwick ... | 156 | 1022·6 | -2 | W | 3 | c | 46 | 85 | 8 | 5 | 7 | - | 7-8 | 9+ | 1500 |
| 17 | Blacksod Point | 18 | 1029·0 | -6 | N'E | 2 | b | 45 | 92 | 8 | - | - | - | 0 | 0 | - |
| 18 | Malin Head ... | 84 | 1029·0 | -2 | N | 1 | c | 48 | 75 | 8 | 8 | - | - | 7-8 | 7-8 | 4000 |
| | Aldergrove ... | 268 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 19 | Birr Castle ... | 173 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 20 | Valentia Obsy. † | 30 | 1027·4 | 0 | NE | 2 | b | 43 | 97 | 8 | - | - | - | 0 | 0 | - |
| | Roches Point | 22 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |

### OBSERVATIONS at 7 hr. G.M.T. 15th April — PAST 24 HOURS

| Stations | Barom. at M.S.L. mb. (15) | Change in 3 hours (16) | Wind Direc. (17) | Wind Force 0–12 (18) | Weather (19) | Temp. °F. (20) | Humid. % (21) | Visibility 0–9 (22) | Cloud Form Low (23) | Cloud Form Med. (24) | Cloud Form High (25) | Cloud Amount Low 0–10 (26) | Cloud Amount Total 0–10 (27) | Height of Base (feet) (28) | State of Ground 0–9 (29) | Sea 0–9 (30) | Temperature Max. Day 7h–18h °F. (31) | Temperature Min. Night 18h–7h °F. (32) | Min. on Grass °F. (33) | Rainfall Day 7h–18h mm. (34) | Rainfall Night 18h–7h mm. (35) | Sunshine 14th hrs. (36) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| London (Kew) | 1025·7 | +8 | NNE | 3 | Zo | 42 | 92 | 6 | 5 | - | - | 9+ | 9+ | 2500 | 0 | * | 55 | 40 | 33 | - | - | 1·8 |
| Croydon | 1025·6 | +6 | N'E | 2 | Zo | 42 | 85 | 6 | 5 | - | - | 7-8 | 10 | 450 | 0 | * | 54 | 41 | 33 | - | - | 1·1 |
| S. Farnborough | 1026·3 | +8 | NE'N | 3 | o | 40 | 92 | 6 | 5 | - | - | 10 | 10 | 800 | 0 | * | 58 | 31 | 21 | - | - | 6·1 |
| Boscombe Down | 1026·2 | +4 | N'E | 3 | bc | 41 | 85 | 7 | - | - | 4 | 0 | 2-3 | - | 1 | * | 53 | 32 | 28 | - | - | 10·7 |
| Calshot (Sthmtn.) | 1025·4 | +6 | N'E | 2 | Zo | 42 | 92 | 6 | 5 | - | - | 9 | 9 | 2500 | 0 | 1 | 61 | 40 | 37 | - | - | 11·2 |
| Lympne | 1024·9 | +6 | NNE | 4 | c | 44 | 85 | 7 | 5 | - | - | 9+ | 9+ | 2500 | 0 | §1 | 51 | 42 | 40 | - | - | 3·2 |
| Manston | 1024·8 | +6 | N'E | 3 | c | 45 | 65 | 7 | 5 | - | - | 9+ | 9+ | 2500 | 0 | * | 52 | 42 | 40 | - | - | 2·0 |
| Shoeburyness | 1025·1 | +2 | NNE | 4 | c | 45 | 85 | 7 | 5 | - | - | 9+ | 9+ | 2500 | 0 | * | 54 | 38 | 29 | Tr | - | 2·4 |
| Felixstowe | 1025·2 | +8 | N'W | 3 | c | 45 | 85 | 7 | 5 | - | - | 10 | 10 | 4000 | 0 | 2 | 51 | 40 | 37 | - | - | 2·0 |
| Gorleston | 1025·1 | +10 | NNW | 4 | c | 47 | 85 | 6 | 5 | - | - | 7-8 | 7-8 | 2500 | 0 | 2 | 50 | 45 | 43 | Tr | - | 0·2 |
| Mildenhall | 1026·1 | +6 | NW'N | 1 | bf- | 37 | 97 | 3 | - | - | 1 | 0 | 1 | - | 0 | * | 53 | 29 | 24 | - | Tr | 0·0 |
| Cranwell | 1026·9 | +6 | NW'N | 2 | Zo | 43 | 85 | 6 | 5 | - | - | 9 | 9 | 4000 | 0 | * | 52 | 38 | 29 | - | - | 0·9 |
| Birmingham | 1027·9 | +4 | NNE | 3 | c | 44 | 75 | 5 | 5 | - | - | 7-8 | 7-8 | 4000 | 0 | * | 58 | 42 | 35 | - | - | 5·7 |
| Upper Heyford | 1026·7 | +2 | N | 3 | Zo | 42 | 85 | 6 | - | - | 1 | 0 | Tr | - | 0 | * | 57 | 31 | 30 | - | - | * |
| Ross-on-Wye | 1027·0 | +6 | WNW | 1 | Zo | 41 | 85 | 5 | 5 | - | - | 1 | 1 | 2500 | 0 | * | 60 | 35 | 25 | - | - | 9·0 |
| Bristol | 1026·8 | +2 | - | 0 | Zo | 40 | 92 | 6 | - | - | - | 0 | 0 | - | 0 | * | 59 | 36 | 23 | - | - | 9·2 |
| Portland Bill | 1025·6 | +6 | NE | 3 | c | 45 | 85 | 7 | 4 | 4 | - | 4-6 | 7-8 | 2500 | 0 | 3 | 56 | 42 | * | - | - | * |
| Plymouth | 1025·2 | +2 | N'E | 1 | c | 45 | 75 | 8 | 5 | 4 | 2 | Tr | 9+ | 2500 | 0 | 1 | 53 | 44 | 35 | - | - | 10·9 |
| The Lizard | 1024·7 | 0 | ENE | 4 | bc | 47 | 75 | 8 | 4 | 7 | - | 4-6 | 4-6 | 2500 | 0 | 2 | 58 | 45 | * | - | - | 11·4 |
| Scilly (St. Mary's) | 1025·0 | +6 | E'S | 4/3 | c | 46 | 92 | 6 | - | - | 6 | 0 | 10 | - | 0 | 2 | 54 | 44 | * | - | Tr | 11·0 |
| Guernsey | 1024·1 | +4 | NE'E | 5 | c | 47 | 75 | 7 | 8 | - | - | 9 | 9 | 2500 | 0 | 3 | 53 | 46 | 43 | - | - | 8·8 |
| Pembroke | 1026·9 | +4 | ENE | 3 | Zo | 45 | 85 | 6 | 7 | 7 | - | 4-6 | 7-8 | 2500 | 0 | 1 | 57 | 42 | * | - | - | 10·4 |
| Holyhead | 1026·6 | +2 | - | 0 | b | 42 | 97 | 7 | - | - | - | 0 | 0 | - | 0 | 0 | 51 | 38 | 30 | - | Tr | 11·2 |
| Chester (Sealand) | 1027·6 | +6 | SE | 1 | m | 36 | 92 | 4 | 5 | - | - | 9+ | 9+ | 4000 | 0 | * | 57 | 31 | 25 | - | - | 10·5 |
| Manchester | 1027·4 | +10 | - | 0 | m/f | 39 | 97 | 4 | 5 | - | - | 9+ | 9+ | 4000 | 1 | * | 58 | 34 | 28 | - | - | 7·9 |
| Spurn Head | 1026·2 | 0 | NNW | 4 | c | 46 | 92 | 7 | 5 | - | - | 10 | 10 | 4000 | 0 | 2 | 49 | 41 | * | - | - | 1·0 |
| Catterick | 1027·4 | +6 | NW'N | 1 | c | 43 | 85 | 7 | 5 | - | - | 9+ | 9+ | 4000 | 0 | * | 55 | 39 | 34 | - | - | 1·7 |
| Tynemouth | 1027·4 | -6 | WNW | 2 | c | 46 | 75 | 6 | 5 | - | - | 9 | 9 | 1500 | 0 | 1 | 49 | 45 | 36 | - | - | 0·9 |
| St. Abbs Head | 1027·8 | +4 | NW | 3 | c | 45 | 65 | 7 | 5 | - | - | 9+ | 9+ | 2500 | 0 | 1 | 51 | 44 | * | - | - | * |
| Leuchars | 1027·6 | +6 | WNW | 2 | c | 46 | 75 | 8 | 5 | - | - | 9+ | 9+ | 4000 | 0 | * | 54 | 41 | 33 | - | - | 0·2 |
| Renfrew (Abbots I.) | 1027·9 | +2 | - | 0 | Zo | 35 | 92 | 6 | - | - | - | 0 | 0 | - | 0 | * | 57 | 34 | 30 | - | - | 8·0 |
| Eskdalemuir | 1027·8 | +2 | - | 0 | c | 35 | 92 | 7 | 5 | - | - | 9 | 9 | 2500 | 0 | * | 57 | 31 | 25 | - | - | 8·7 |
| Point of Ayre | 1027·6 | 0 | NE | 1 | b | 43 | 92 | 7 | - | - | - | 0 | 0 | - | 1 | 1 | 55 | 34 | * | - | - | 10·8 |
| Tiree | 1028·0 | 0 | WSW | 1 | c | 47 | 85 | 8 | 5 | - | - | 9+ | 9+ | 4000 | 0 | 1 | 50 | 44 | 43 | - | - | 0·0 |
| Stornoway | 1026·4 | 0 | WSW | 2 | c | 46 | 85 | 7 | 5 | 2 | - | 7-8 | 9+ | 2500 | 0 | 1 | 50 | 43 | | - | - | 0·0 |
| Dalwhinnie | * | -2 | NW | 1 | c | 40 | 75 | 8 | 5 | 6 | - | 7-8 | 9+ | 4000 | 0 | * | 47 | 38 | 38 (4) | - | - | 0·0 |
| Aberdeen | 1026·4 | -2 | W | 2 | c | 45 | 65 | 7 | 5 | - | - | 9+ | 9+ | 5700 | 0 | 1 | 52 | 45 | 43 | - | - | 0·0 |
| Wick | 1025·3 | 0 | WNW | 3 | c | 46 | 85 | 8 | 5 | 7 | - | 7-8 | 9+ | 1500 | 0 | 1 | 49 | 43 | * | - | - | * |
| Lerwick | 1022·7 | +6 | WNW | 3 | c | 47 | 92 | 7 | 6 | 7 | - | 7-8 | 9 | 1500 | 1 | * | 49 | 45 | * | Tr | Tr | 0·0 |
| Blacksod Point | 1028·4 | 0 | E | 3 | b | 49 | 85 | 8 | - | - | - | 0 | 0 | - | 0 | 3 | 59 | 40 | * | - | - | * |
| Malin Head | 1028·6 | +2 | SW | 1 | c | 46 | 92 | 8 | 8 | - | - | 9+ | 9+ | 2500 | 0 | 1 | 51 | 46 | * | - | - | 0·6 |
| Aldergrove | 1028·5 | +2 | NE'N | 3 | c | 46 | 75 | 7 | 5 | - | - | 9+ | 9+ | 4000 | 0 | * | 54 | 42 | 36 | - | - | 10·2 |
| Birr Castle | 1026·6 | +6 | N'W | 1 | bc | 32 | 97 | 7 | - | - | 4 | 0 | 2-3 | - | 0 | * | 59 | 30 | * | - | - | 8·8 |
| Valentia Obsy. † | 1027·5 | +2 | NE'E | 2 | bc | 39 | 92 | 8 | - | - | 2 | 0 | 2-3 | - | 0 | 1 | 63 | 37 | 31 | Tr | Tr | 12·6 |
| Roches Point | 1027·5 | * | NNE | 2 | b | 42 | 85 | 8 | - | - | - | 0 | 0 | - | 0 | 1 | 56 | 39 | * | - | Tr | * |

### LONDON OBSERVATIONS

Day 7h—18h. Kew & Croydon.
9h—18h. Kensington.
9h—21h, other stations except for rainfall which is 9h—18h.

| Station | Height above M.S.L. in feet | Weather Morning (24 hrs. ended 9h.) | Weather Afternoon | Weather Night | Temperature Day Max. °F. | Temperature Night Min. °F | Min. on Grass °F. | Rainfall Day mm. | Rainfall Night mm. | Sunshine to Sunset hrs. (Yesterday) | Humidity 15h. G.M.T. % (Yesterday) | Humidity 9h. G.M.T. % (To-day) | Visibility 9h. (To-day) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kew | 18 | cmocy | cy | cybccmo | 55 | 40 | 33 | - | - | 1·8 | . | . | 5 |
| Croydon | 217 | cmozo | czoy | cyzbwmo | 54 | 41 | 33 | - | - | 1·1 | . | . | 5 |
| Greenwich (Royal Observatory) | 149 | cy | cy | cbc | 54 | 40 | 34 | - | - | 1·0 | 59 | 75 | 6 |
| City (Bunhill Row) | — | . | . | . | . | . | . | . | . | 1·0 | . | . | . |
| Westminster (St. James' Park) | 27 | . | . | . | 56 | 41 | 36 | - | - | 1·2 | 59 | 83 | . |
| Regents Pk. (Botanic Gardens)‡ | 168 | . | . | . | 56 | 40 | 35 | - | - | 0·8 | 69 | 85 | . |
| Camden Square | 110 | c | c | . | 56 | 40 | 34 | - | - | . | . | 79 | . |
| Kensington | 80 | bczy | bcby | . | 55 | 41 | 34 | - | - | 1·3 | At 18h. 57 | 84 | . |
| Hampstead Observatory | 450 | c | bc | bc | 53 | 44 | 35 | - | - | 3·4 | . | 87 | . |

### Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. 15th

| South Kensington Max. | Time. | Min. | Time. |
|---|---|---|---|
| <0·3 | whole period | | |

| Kew Observatory Max. | Time. | Min. | Time. |
|---|---|---|---|
| <0·1 | whole period | | |

### FOREIGN OBSERVATIONS.

| Stations | 18h G.M.T. 14th April Barom. mb. | Wind Direc. | Wind Force | Weather | Temp. °F. | 7h. G.M.T. 15th April Barom. mb. | Wind Direc. | Wind Force | Weather | Temp. °F. | Past 24 Hours Max. Day °F. | Min. Night °F. | Rainfall Day mm. | Rainfall Night mm. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Paris | 1020·7 | N | 3 | o | 48 | 1021·3 | NNE | 3 | c/d | 45 | 52 | 43 | 0·2 | Tr |
| Brussels | | | | | | 1022·3 | NE | 2 | dodo | 43 | | 43 | | 1 |
| Berlin | 1016·3 | NNE | 3 | b | 52 | 1019·3 | SSE | 1 | b | 45 | 37 | 36 | - | - |
| Zurich | 1015·6 | E | 2 | c | 50 | 1017·0 | NE | 1 | bc | 41 | 39 | 39 | - | - |
| Rome | | | | | | 1010·9 | ESE | 2 | c | 50 | * | * | - | - |

## EXPLANATION OF FIGURES, LETTERS, etc.

**COLUMNS 2, 16.**
The barometric tendency is expressed in tenths of a millibar.

**COLUMNS 4, 18.**
THE BEAUFORT SCALE OF WIND is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers is the speed at about 30 feet above the ground.

| Beaufort No. | Statute m/h. | Beaufort No. | Statute m/h. | Beaufort No. | Statute m/h. |
|---|---|---|---|---|---|
| 0 | <1 | 4 | 13–18 | 9 | 47–54 |
| 1 | 1–3 | 5 | 19–24 | 10 | 55–63 |
| 2 | 4–7 | 6 | 25–31 | 11 | 64–75 |
| 3 | 8–12 | 7 | 32–38 | 12 | > 75 |
| | | 8 | 39–46 | | |

**COLUMNS 34, 35.**
Tr. = rain has fallen, but amount less than 0·1 mm.

**COLUMNS 8, 22.—Code for surface visibility.**

| | Objects not visible at |
|---|---|
| 0 Dense fog | 55 yards. |
| 1 Thick fog | 220 ,, |
| 2 Fog | 550 ,, |
| 3 Moderate fog | 1,100 ,, |
| 4 Mist or haze | 1½ miles. |
| 5 Poor visibility | 2½ ,, |
| 6 Moderate ,, | 6¼ ,, |
| 7 Good ,, | 12½ ,, |
| 8 Very good ,, | 31 ,, |
| 9 Excellent ,, | beyond 31m. |

**COLUMN 30.—Code for State of Sea.**

0 Calm. 5 Very rough
1 Smooth. 6 High.
2 Slight. 7 Very high
3 Moderate. 8 Precipitous.
4 Rough. 9 Confused.

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METEOROLOGICAL OFFICE, AIR MINISTRY, ADASTRAL HOUSE, KINGSWAY, LONDON, W.C.2.

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S. Director.

† 1 hr. observations are from Valentia W/T Station. ‡ Maximum and Minimum Temperatures are for the 24 hours ending 8 h. § Sea disturbance reported from Dungeness.

AIR MINISTRY.

# THE DAILY WEATHER REPORT

## OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Saturday 16th April, 1938

No. 27904.

### OBSERVATIONS at 13h. G.M.T. 15th April

| District | Stations (For heights see p. 4.) | Barom. at M.S.L. mb. (1) | Change in 3 hours. (2) | Wind. Direc. (3) | Wind. Force 0–12 (4) | Weather. (5) | °Temp. F. (6) | % Humid. (7) | Visibility 0–9 (8) | Cloud. Form. Low (9) | Form. Med. (10) | Form. High (11) | Amount. Low 0–10 (12) | Amount. Total 0–10 (13) | Height of Base (feet) (14) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | London (Kew) | 1025·5 | -4 | NEN | 4 | z. | 51 | 65 | 6 | 5 | - | - | 10 | 10 | 2500 |
| | Croydon ... | 1025·6 | -2 | NEE | 3 | z. | 52 | 55 | 6 | 5 | - | - | 9+ | 9+ | 4000 |
| | S. Farnborough | 1025·5 | -6 | NEN | 4 | c | 52 | 55 | 7 | 5 | - | - | 10 | 10 | 2500 |
| | Boscombe Down | 1025·6 | -4 | NEE | 3 | c | 51 | 55 | 7 | 5 | - | - | 10 | 10 | 4000 |
| | Calshot (Sthmtn.) | 1025·2 | -6 | NEE | 4 | z. | 53 | 65 | 6 | 5 | - | - | 10 | 10 | 2500 |
| | Lympne ... | 1025·2 | -6 | NNE | 5 | c | 50 | 65 | 7 | 5 | - | - | 10 | 10 | 1500 |
| | Manston ... | 1025·3 | -2 | NEN | 4 | c | 48 | 85 | 6 | 5 | - | - | 10 | 10 | 1500 |
| 2 | Shoeburyness ... | 1025·7 | 0 | NNE | 4 | c | 49 | 85 | 7 | 5 | 3 | - | 7-8 | 10 | 2500 |
| | Felixstowe ... | 1026·1 | +2 | NE | 4 | c | 50 | 75 | 7 | 5 | - | - | 9+ | 9+ | 2500 |
| | Gorleston ... | 1026·2 | +4 | NW | 4 | c | 52 | 75 | 6 | - | 3 | - | 0 | 7-8 | ~~2500~~ |
| | Mildenhall ... | 1026·5 | 0 | NEN | 3 | c | 53 | 55 | 8 | 5 | - | - | 9+ | 9+ | 2500 |
| | Cranwell ... | 1027·4 | -2 | NNE | 3 | c | 49 | 65 | 7 | 5 | - | - | 10 | 10 | 4000 |
| 3 | Birmingham ... | 1026·4 | -4 | ENE | 2 | c | 50 | 55 | 8 | 5 | - | - | 9+ | 9+ | 1500 |
| | Upper Heyford | 1026·4 | -8 | ENE | 4 | c | 52 | 55 | 8 | 5 | - | - | 9+ | 9+ | 2500 |
| 4 | Ross-on-Wye | 1026·3 | -4 | NEE | 4 | c | 54 | 45 | 7 | 5 | - | - | 7-8 | 7-8 | 4000 |
| 5 | Bristol ... | 1026·2 | -6 | EN | 4 | c | 52 | 65 | 7 | 5 | - | - | 9+ | 9+ | 4000 |
| | Portland Bill ... | 1025·0 | -10 | E | 3 | c | 51 | 75 | 7 | 4 | 4 | - | 4-6 | 10 | 2500 |
| | Plymouth ... | 1024·7 | -2 | E | 4 | c | 54 | 55 | 8 | 7 | - | 2 | 2-3 | 9+ | 2500 |
| | The Lizard ... | 1024·0 | -4 | E | 5 | c | 52 | 75 | 8 | 4 | 7 | 1 | 4-6 | 7-8 | 2500 |
| | Scilly (St. Mary's) | 1024·5 | -2 | NEE | 4 | c | 55 | 65 | 8 | 1 | 4 | 9 | 1 | 7-8 | 2500 |
| | Guernsey ... | 1023·6 | -6 | NE | 5 | c | 48 | 75 | 7 | 8 | - | - | 10 | 10 | 2500 |
| 6 | Pembroke ... | 1026·2 | -2 | W | 2 | z. | 52 | 75 | 6 | 5 | 2 | - | 4-6 | 9 | 2500 |
| 7 | Holyhead ... | 1026·8 | -6 | NNW | 2 | b | 51 | 85 | 7 | - | - | - | 0 | 0 | - |
| | Chester (Sealand) | 1027·3 | -8 | ENE | 1 | z. | 56 | 55 | 6 | 5 | - | - | 2-3 | 2-3 | 4000 |
| 8 | Manchester ... | 1026·9 | -10 | NNW | 1 | b | 57 | 45 | 7 | 1 | - | - | 1 | 1 | 5700 |
| 10 | Spurn Head ... | 1027·6 | 0 | NE | 3 | c | 50 | 85 | 7 | 5 | - | - | 10 | 10 | 2500 |
| | Catterick ... | 1026·9 | -10 | E | 1 | bc | 54 | 55 | 7 | 7 | - | - | 4-6 | 4-6 | 4000 |
| | Tynemouth ... | 1027·4 | -2 | NE | 2 | c | 49 | 75 | 7 | 8 | - | - | 7-8 | 7-8 | 1500 |
| 11 | St. Abbs Head . | 1027·3 | -4 | NW | 2 | bc | 49 | 65 | 7 | 2 | 4 | - | 2-3 | 4-6 | 4000 |
| | Leuchars ... | 1026·8 | -8 | WNW | 2 | bc | 57 | 45 | 8 | 1 | - | - | 2-3 | 2-3 | 4000 |
| 12 | Renfrew (Abbots I.) | 1026·9 | -10 | NW | 1 | b | 55 | 55 | 7 | 1 | - | - | Tr | Tr | 5700 |
| | Eskdalemuir ... | 1025·9 | -10 | SW | 1 | bc | 55 | 55 | 7 | 7 | - | - | 4-6 | 4-6 | 4000 |
| | Point of Ayre... | 1027·3 | -2 | NEE | 1 | b | 51 | 75 | 7 | - | - | - | 0 | 0 | - |
| 13A | Tiree ... ... | 1027·6 | -2 | WS | 3 | c | 50 | 75 | 8 | 5 | - | - | 9+ | 9+ | 4000 |
| 13B | Stornoway ... | 1026·0 | -2 | WSW | 3 | c | 52 | 65 | 7 | 5 | 7 | - | 4-6 | 9 | 2500 |
| 15 | Dalwhinnie ... | 1027·3 | -8 | WNW | 2 | c | 49 | 55 | 8 | 5 | 6 | - | 4-6 | 9 | 4000 |
| | Aberdeen ... | 1026·2 | -4 | W | 1 | c | 53 | 45 | 8 | 5 | - | - | 10 | 10 | 4000 |
| | Wick ... | 1025·0 | -4 | NW | 4 | c | 52 | 65 | 7 | 5 | 6 | - | 4-6 | 7-8 | 1500 |
| 16 | Lerwick ... | 1024·0 | +2 | NW | 2 | bc | 50 | 65 | 8 | 7 | 7 | - | 2-3 | 4-6 | 1500 |
| 17 | Blacksod Point | 1028·0 | -6 | NW | 3 | b | 53 | 85 | 8 | - | - | - | 0 | 0 | - |
| 18 | Malin Head ... | 1028·5 | -2 | NWN | 2 | c | 50 | 85 | 8 | 8 | 6 | - | 2-3 | 7-8 | 4000 |
| | Aldergrove ... | 1027·8 | -14 | NE | 3 | b | 54 | 55 | 7 | - | - | - | 0 | 0 | - |
| 19 | Birr Castle ... | 1027·2 | -14 | ENE | 1 | b | 55 | 55 | 7 | - | - | - | 0 | 0 | - |
| 20 | Valentia Obsy. † | 1026·0 | -12 | NE | 3 | bc | 60 | 55 | 8 | 1 | - | 6 | Tr | 4-6 | 4000 |
| | Roches Point | 1026·7 | * | ES | 3 | bc | 53 | 75 | 8 | 1 | - | 5 | 1 | 2-3 | 4000 |

### OBSERVATIONS at 18h. G.M.T. 15th April

| District | Stations | Barom. at M.S.L. mb. (15) | Change in 3 hours. (16) | Wind. Direc. (17) | Wind. Force 0–12 (18) | Weather. (19) | °Temp. F. (20) | % Humid. (21) | Visibility 0–9 (22) | Cloud. Form. Low. (23) | Form. Med. (24) | Form. High. (25) | Amount. Low 0–10 (26) | Amount. Total 0–10 (27) | Height of Base (feet) (28) | State of Ground. 0–9 (29) | Sea. 0–9 (30) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | London (Kew) | 1024·4 | -6 | NEN | 3 | z. | 52 | 55 | 6 | 5 | 1 | - | 9 | 9 | 2500 | 0 | * |
| | Croydon ... | 1024·7 | 0 | E | 3 | z. | 50 | 75 | 6 | 5 | - | - | 10 | 10 | 4000 | 0 | * |
| | S. Farnborough | 1024·3 | -2 | ENE | 3 | z. | 53 | 55 | 6 | 5 | - | - | 9 | 9 | 4000 | 0 | * |
| | Boscombe Down | 1024·3 | -6 | NE | 3 | bc | 51 | 55 | 8 | 5 | - | 4 | 4-6 | 4-6 | 7200 | 0 | * |
| | Calshot (Sthmtn.) | 1024·0 | -2 | NEE | 3 | z. | 52 | 65 | 6 | 5 | 3 | - | 4-6 | 7-8 | 4000 | 0 | 2 |
| | Lympne ... | 1024·8 | 0 | NEE | 5 | bc | 46 | 75 | 7 | 8 | 4 | - | 4-6 | 4-6 | 4000 | 0 | § 3 |
| | Manston ... | 1024·5 | -2 | NE | 5 | bc | 46 | 85 | 7 | 5 | - | - | 4-6 | 4-6 | 2500 | 0 | * |
| 2 | Shoeburyness ... | 1025·3 | -2 | NNE | 4 | b | 46 | 75 | 8 | 5 | 3 | - | 2-3 | 2-3 | 2500 | 0 | * |
| | Felixstowe ... | 1025·3 | -2 | N | 4 | bc | 48 | 65 | 7 | 5 | - | - | 4-6 | 4-6 | 4000 | 0 | 3 |
| | Gorleston ... | 1025·7 | 0 | NW | 4 | c | 50 | 75 | 7 | - | 3 | - | 0 | 7-8 | - | 0 | 2 |
| | Mildenhall ... | 1025·6 | -10 | NEN | 3 | bc | 51 | 55 | 8 | 5 | - | - | 2-3 | 2-3 | 2500 | 0 | * |
| | Cranwell ... | 1026·3 | -6 | NE | 2 | bc | 48 | 65 | 8 | 5 | - | - | 2-3 | 2-3 | 2500 | 0 | * |
| 3 | Birmingham ... | 1025·2 | -4 | NE | 3 | b | 50 | 55 | 6 | - | - | - | 0 | 0 | - | 0 | * |
| | Upper Heyford | 1025·2 | -10 | NE | 2 | b | 52 | 55 | 8 | 1 | - | 4 | Tr | 2-3 | 4000 | 0 | * |
| 4 | Ross-on-Wye | 1025·0 | -4 | ENE | 3 | bc | 51 | 55 | 7 | - | - | 6 | 0 | 4-6 | - | 0 | * |
| 5 | Bristol ... | 1024·6 | -4 | E | 3 | bc | 53 | 65 | 7 | 5 | - | 6 | 2-3 | 4-6 | 4000 | 0 | * |
| | Portland Bill ... | 1023·4 | -6 | E | 3 | c | 49 | 85 | 7 | 4 | 4 | - | 7-8 | 10 | 2500 | 0 | 3 |
| | Plymouth ... | 1023·5 | -4 | ENE | 3 | c | 51 | 65 | 7 | 7 | 3 | 7 | 0 | 9+ | - | 0 | 1 |
| | The Lizard ... | 1022·8 | -2 | EN | 4 | c | 49 | 75 | 8 | 4 | 7 | - | 4-6 | 7-8 | 2500 | 0 | 3 |
| | Scilly (St. Mary's) | 1022·8 | -10 | ES | 5 | c | 49 | 75 | 7 | 5 | 3 | 2 | 2-3 | 7-8 | 2500 | 0 | 3 |
| | Guernsey ... | 1022·5 | -2 | NEE | 5 | c | 49 | 55 | 9 | 8 | - | - | 9+ | 9+ | 2500 | 0 | 3 |
| 6 | Pembroke ... | 1024·5 | -10 | SE | 1 | z. | 51 | 75 | 6 | - | - | 6 | 0 | 4-6 | - | 0 | 1 |
| 7 | Holyhead ... | 1025·4 | -4 | NWN | 2 | f | 46 | 97 | 3 | - | - | 2 | 0 | 2-3 | - | 0 | 1 |
| | Chester (Sealand) | 1025·3 | -4 | NW | 1 | z. | 54 | 65 | 5 | - | - | - | 0 | 0 | - | 0 | * |
| 8 | Manchester ... | 1024·9 | -8 | SSE | 2 | z. | 54 | 65 | 5 | - | 3 | - | 0 | 2-3 | - | 1 | * |
| 10 | Spurn Head ... | 1026·5 | -4 | NEE | 1 | bc | 47 | 85 | 7 | - | - | 8 | 0 | 2-3 | - | 0 | 1 |
| | Catterick ... | 1025·5 | -2 | NEN | 1 | z. | 50 | 65 | 6 | - | - | - | 0 | 0 | - | 0 | * |
| | Tynemouth ... | 1026·4 | -4 | ESE | 1 | bc | 48 | 75 | 6 | 5 | - | 1 | 2-3 | 4-6 | 800 | 0 | 1 |
| 11 | St. Abbs Head . | 1025·5 | -4 | SSE | 3 | b | 49 | 55 | 7 | - | 4 | - | 0 | Tr | - | 0 | 1 |
| | Leuchars ... | 1025·3 | -2 | SE | 3 | bc | 52 | 65 | 7 | 7 | - | - | 2-3 | 2-3 | 4000 | 0 | * |
| 12 | Renfrew (Abbots I.) | 1025·0 | -6 | NNW | 4 | z. | 52 | 65 | 6 | - | - | - | 0 | 0 | - | 0 | * |
| | Eskdalemuir ... | 1024·4 | -4 | SWS | 3 | c | 53 | 65 | 6 | 7 | - | - | 7-8 | 7-8 | 4000 | 0 | * |
| | Point of Ayre... | 1025·9 | -8 | WNW | 1 | bc | 51 | 75 | 6 | - | - | 4 | 0 | 2-3 | - | 0 | 1 |
| 13A | Tiree ... ... | 1026·7 | 0 | WN | 3 | b | 48 | 85 | 8 | - | - | - | 0 | 0 | - | 0 | 2 |
| 13B | Stornoway ... | 1024·7 | -4 | W | 3 | c | 50 | 75 | 7 | 5 | 7 | - | 4-6 | 10 | 1500 | 0 | 1 |
| 15 | Dalwhinnie ... | 1026·2 | -6 | NW | 1 | bc | 49 | 55 | 8 | 4 | 6 | 1 | 2-3 | 4-6 | 4000 | 0 | * |
| | Aberdeen ... | 1025·1 | -4 | SWS | 2 | c | 51 | 55 | 7 | 5 | - | 9 | 9+ | 9+ | 4000 | 0 | 0 |
| | Wick ... | 1024·1 | -6 | NW | 2 | c | 50 | 75 | 6 | 5 | 2 | - | 7-8 | 9 | 1500 | 0 | 1 |
| 16 | Lerwick ... | 1023·0 | -6 | W | 2 | c | 46 | 75 | 8 | 8 | 7 | - | 7-8 | 9 | 1500 | 1 | * |
| 17 | Blacksod Point | 1027·1 | -6 | N | 2 | b | 52 | 85 | 8 | - | - | 4 | 0 | 1 | - | 0 | 2 |
| 18 | Malin Head ... | 1026·5 | -4 | NNE | 1 | jf | 49 | 85 | 8 | - | - | - | 0 | 0 | - | 0 | 1 |
| | Aldergrove ... | 1026·3 | -2 | EN | 2 | bc | 54 | 55 | 7 | - | - | 6 | 0 | 4-6 | - | 0 | * |
| 19 | Birr Castle ... | 1025·2 | -10 | ENE | 1 | c | 55 | 55 | 7 | - | - | 5 | 0 | 7-8 | - | 0 | * |
| 20 | Valentia Obsy. † | 1025·1 | +2 | SWW | 3 | b | 54 | 75 | 8 | - | - | 1 | 0 | 2-3 | - | 0 | 1 |
| | Roches Point | 1025·4 | * | SE | 3 | bc | 50 | 85 | 8 | - | - | 6 | 0 | 4-6 | - | 0 | 1 |

### PAST 24 HOURS.

| District | Stations | Weather. 7h.—13h. 15th. (37) | Weather. 13h.—18h. 15th. (38) | Weather. 18h. 15th to 1h. 16th. (39) | Weather. 1h.—7h. 16th. (40) |
|---|---|---|---|---|---|
| 1 | London (Kew) | cm.cz. | cz.y | czoybzo | bm.xbz. |
| | Croydon ... | cm.z. | czoyc | czobm.w | cwbcx |
| | S. Farnborough | bcoy | cz.y | cbm. | bm.xc |
| | Boscombe Down | bbccy | cybcy | bcybx | bxbcc |
| | Calshot (Sthmtn.) | cm. | cz. | | bccm. |
| | Lympne ... | c | cbc | bcb | bbcw |
| | Manston ... | cm. | cm.bc | b | bbcw |
| 2 | Shoeburyness ... | c | cb | bx | bxbc |
| | Felixstowe ... | c | cbc | bcc,bw | bxc |
| | Gorleston ... | cq | cbccq | cbc | c |
| | Mildenhall ... | bff ecy | cybc | bcb | bfgbfoffx |
| | Cranwell ... | c | c | bcbm.xw | bocm.x |
| 3 | Birmingham ... | c | cb | b | bfx |
| | Upper Heyford | bm.bcoy | bcy by | bbm. | bm.xbcm |
| 4 | Ross-on-Wye | bzbccy | bcyby | bcb | bmx |
| 5 | Bristol ... | bm.c | cbc | bcm. | bcm.x |
| | Portland Bill ... | c | c | c | c |
| | Plymouth ... | ccy | cyc ⊕ | c⊕ | c ◐ |
| | The Lizard ... | c | c | cbcc | c |
| | Scilly (St. Mary's) | c | c | cbc | bcc |
| | Guernsey ... | c | c | c | c |
| 6 | Pembroke ... | cbcz. | bcz. | bz. | z.bc |
| 7 | Holyhead ... | bwbcb | bbcf | bffe | bifec |
| | Chester (Sealand) | cmbczy | bcbyz. | bzm.w | bfwmx |
| 8 | Manchester ... | cmm.by | byz. | bzm. | bm.bcfx |
| 10 | Spurn Head ... | c | cbc | bcc | czfw |
| | Catterick ... | cm.bcy | bcbyz. | bzy | bm.x |
| | Tynemouth ... | cm. | cbc | bc | bbc |
| 11 | St. Abbs Head . | cbc | by | bcmc | cbcb |
| | Leuchars ... | cbcy | bcyby | bbccb | bwm.bc |
| 12 | Renfrew (Abbots I.) | bm.by | by bz. | bm. | bwbcm. |
| | Eskdalemuir ... | cbcy | bcycz | bcbx | bxm. |
| | Point of Ayre... | b | bbcz | bcbw | bw |
| 13A | Tiree ... ... | c | cbc | bbc | bc |
| 13B | Stornoway ... | cpr. | c | cpr. | cbcpr |
| 15 | Dalwhinnie ... | c | c | * | bc |
| | Aberdeen ... | ccy | cy | cycbc | bc |
| | Wick ... | c | cm. | cpr. | cpr.c |
| 16 | Lerwick ... | cbc | bcc | cprrr | cprr |
| 17 | Blacksod Point | bc | b | bc | bc |
| 18 | Malin Head ... | c | cbc, b | bbc | cpr. |
| | Aldergrove ... | cbby | bybcy | bcybc | bccbm. |
| 19 | Birr Castle ... | bcb | bbcc | c | c |
| 20 | Valentia Obsy. † | bcwbbcy | bcyb | bbcw | bwgbc |
| | Roches Point | bbc | bc ⊕ | bcw | bwbc |

## EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

### COLUMNS 5, 19, 37, 38, 39, 40—BEAUFORT NOTATION AND SYMBOLS FOR WEATHER.

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog „ less than 220 yds.
fs, low fog over sea (coast station).
fg, low fog over land (inland station).
m, mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jf, fog at a distance, but not at station.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/s$_o$, slight storm of drifting snow (generally low).
k/S, heavy storm of drifting snow (generally low).
s$_o$/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze: the turbid atmosphere of dry weather.
h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus R, heavy rain. r$_o$, slight rain. rr, continuous rain.
<, less than (for cloud height).
⊕, Solar halo. ◐ lunar halo. ✓ gale.

With present weather is combined, whenever possible, the general character of the weather.

A "solidus" divides actual existing weather from preceding conditions thus:—bc/r, fair weather after rain; —, has decreased; +, has increased.

### COLUMNS 9, 23.—FORM OF LOW CLOUD.

0 No low clouds.
1 Fair weather Cu.
2 Large Cu without anvil.
3 Cb.
4 Sc formed by the spreading out of Cu.
5 Layer of St or Sc.
6 Ragged low clouds of bad weather (or fractonimbus).
7 Fair weather Cu. and Sc.
8 Large-Cu (or Cb) and Sc.
9 Large-Cu (or Cb) and ragged low clouds of bad weather.

### COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4–6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries. "tr" signifies a small amount of cloud (trace) covering less than 1/20 of the sky. "9+" signifies an overcast sky with a few small openings.

### COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

0 No medium clouds.
1 Typical As (thin).
2 Typical As (thick) (sun or moon invisible), or Nimbostratus (Ns).
3 Single layer of Ac or high Sc.
4 Ac in isolated patches. Individually decreasing (often lenticular).
5 Ac in bands (increasing).
6 Ac formed from the spreading out of Cu.
7 Ac associated with As or As with parts resembling Ac.
8 Ac Castellatus (or Ac in ragged fragments).
9 Ac in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

### COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

0 No cirriform cloud.
1 Fine Ci not increasing: sparse.
2 Fine Ci not increasing: abundant but not a continuous layer.
3 Anvil Ci (usually dense).
4 Fine Ci increasing: usually in tufts.
5 Ci or Cs increasing: still below 45° altitude: often in polar bands.
6 Ci or Cs increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Cs covering whole sky.
8 Cs not increasing and not covering whole sky.
9 Cc predominating, and a little cirrus.
(Cc may occur with any of the types 1 to 8).

Cloud form abbreviations:—
Cirrus,—Ci: Cirrocumulus,—Cc: Cirrostratus,—Cs: Altocumulus,—Ac: Altostratus,—As
Stratocumulus,—Sc: Stratus,—St: Nimbostratus,—Ns: Cumulus,—Cu: Cumulonimbus,—Cb

### COLUMN 29.—STATE OF GROUND.

0 .. Ground dry.
1 .. „ wet.
2 .. „ flooded.
3 .. „ frozen hard and dry.
4 .. „ partly covered with snow or hail.
5 .. „ covered with ice or glazed frost.
6 .. Ground covered with thawing snow.
7 .. „ covered with snow, less than 6 ins., deep but ground not frozen.
8 .. „ covered with snow, less than 6 ins., but ground frozen.
9 .. „ covered with snow greater than 6 ins. deep.

NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

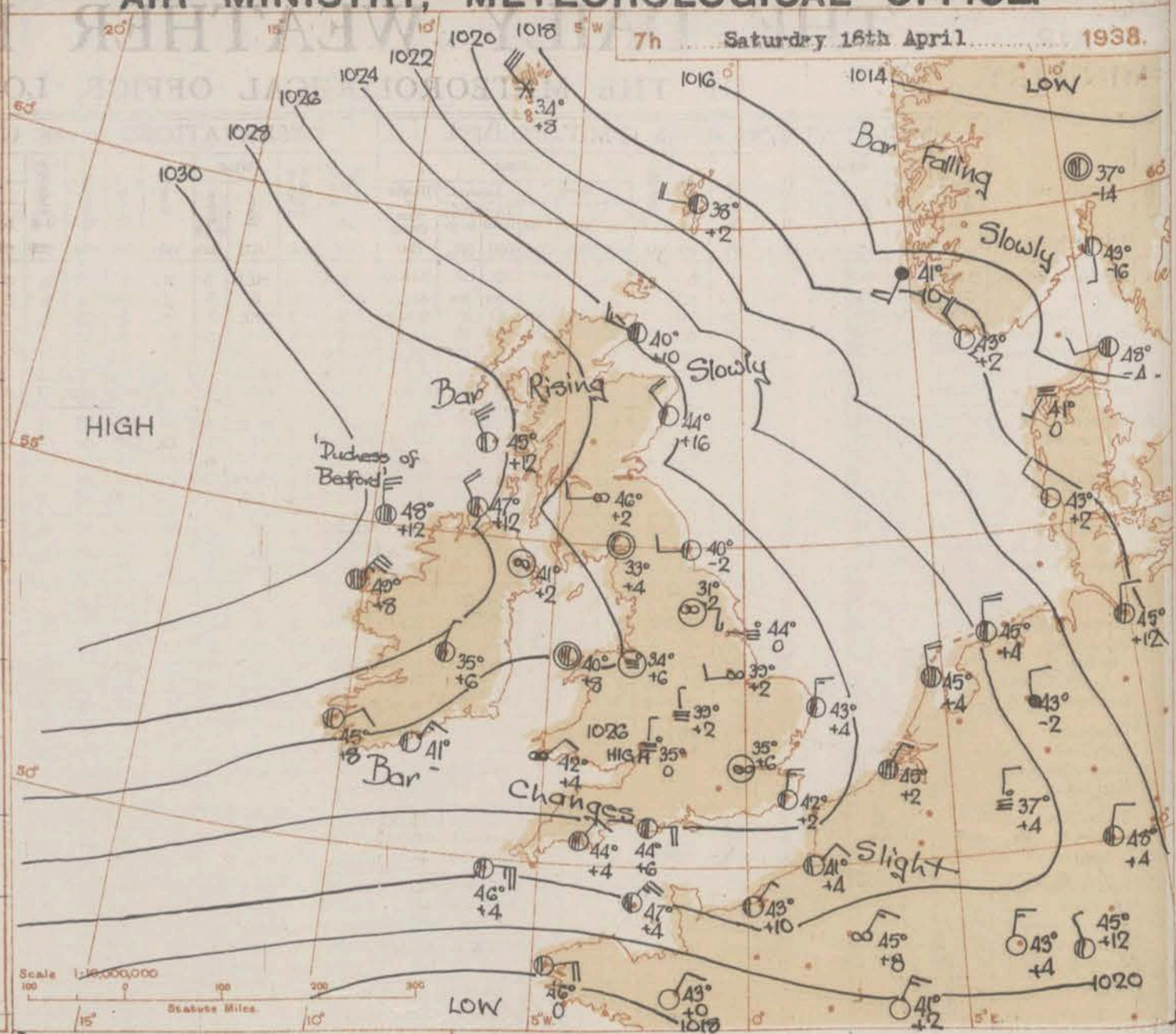
† Sea disturbance reported from Dungeness.

# AIR MINISTRY, METEOROLOGICAL OFFICE.

REPORTS from HEALTH RESORTS for 15th April 1938.

| Dist. No. | Stations. | Weather. Forenoon. | Weather. Afternoon. | Temperature (°F.) Min. 9h. 14th to 9h. 15th | Temperature (°F.) Max. 9h.—17h. 15th | Rainfall (mm.) Night. 17h. 14th to 9h. 15th | Rainfall (mm.) Day. 9h.—17h. 15th | Sunshine (Hrs.) Sunrise to 17h. 15th | Sunshine (Hrs.) Sunrise to Sunset. 14th |
|---|---|---|---|---|---|---|---|---|---|
| 1 | Tunbridge W. | oc | co | 40 | 52 | – | – | 0·1 | 1·5 |
| | Bournemouth | bbec | bcbc | 37 | 56 | – | – | 4·5 | 11·0 |
| | Ventnor ... | oc | cz | 40 | 54 | – | – | 1·7 | 10·5 |
| | Southsea ... | cbcc | cbc | 41 | 56 | – | – | 1·4 | 11·1 |
| | Bognor Regis | bcc | cbcc | 40 | 53 | – | – | 0·4 | 10·7 |
| | Littlehampton | c | c | 39 | 54 | – | – | 0·4 | 7·6 |
| | Worthing ... | cbcc | cbcc | 41 | 54 | – | – | 1·2 | 8·3 |
| | Brighton ... | cbcc | cbc | 41 | 55 | – | – | 0·6 | 4·2 |
| | Eastbourne† ... | o | o | 40 | 53 | – | – | 0·2 | 2·9 |
| | Hastings† ... | co | oc | 40 | 52 | – | – | 0·2 | 3·6 |
| | Folkestone ... | o | oc | 43 | 51 | – | – | 0·0 | 4·2 |
| | Dover ... | o | oc | 46 | 51 | – | – | 0·0 | 4·3 |
| | Deal ... ... | o | o | 45 | 50 | – | – | 0·0 | 3·6 |
| | Ramsgate ... | o | ocbc | 45 | 48 | – | – | 0·3 | 3·3 |
| | Margate ... | c | cbc | 44 | 47 | – | – | 0·6 | 2·7 |
| 2 | Southend ... | o | oco | 40 | 52 | – | – | 0·0 | 1·4 |
| | Clacton-on-Sea | c | cbc | 40 | 50 | – | – | 0·0 | 2·7 |
| | Dovercourt ... | obc | ocbcv | 42 | 51 | – | – | 0·2 | 2·3 |
| | Lowestoft ... | cbcb | b | 42 | 54 | – | – | 6·2 | 0·7 |
| | Skegness ... | bcc | cb | 36 | 51 | – | – | 1·7 | 0·1 |
| | Mablethorpe... | o | bc | 36 | 51 | – | – | 1·6 | 0·4 |
| | Cleethorpes ... | c | cbc | 42 | 51 | – | – | 1·7 | 0·8 |
| 3 | Leamington S. | bcc | cbc | 33 | 54 | – | – | 4·3 | 7·2 |
| 4 | Cheltenham† | c | cbcb | 34 | 53 | – | – | 7·3 | 9·0 |
| 5 | Bath ... ... | bcc | cbcb | 31 | 57 | – | – | 6·7 | 10·5 |
| | Weymouth ... | bbc | cbc | 40 | 56 | – | – | 6·0 | 9·5 |
| | Jersey ... | c | c | 46 | 51 | – | – | 0·0 | 11·3 |
| | Torquay ... | b | bc | 45 | 54 | – | – | 6·4 | 11·2 |
| | Falmouth | b | b | 43 | 55 | – | – | 8·8 | 11·2 |
| | Penzance ... | b | c | 44 | 58 | – | – | 7·5 | 10·8 |
| | St. Ives ... | b | c | 43 | 60 | – | – | 8·3 | 9·3 |
| | Bude... ... | bc | bc | 37 | 57 | – | – | 10·4 | 10·3 |
| | Ilfracombe ... | bcb | bbcb | 41 | 55 | – | – | 10·1 | 11·2 |
| 6 | Aberystwyth | zcbc | bc | 38 | 53 | – | – | 8·2 | 11·2 |
| 7 | Llandudno ... | bcb | bz | 36 | 56 | – | – | 9·1 | * |
| | Colwyn Bay... | bcbcb | b | 36 | 53 | – | – | 10·6 | 11·5 |
| | Rhyl ... ... | mocbc | bz. | 34 | 56 | – | – | 7·5 | 10·7 |
| 8 | Wallasey ... | fc | cbc | 42 | 56 | – | – | 5·5 | 9·1 |
| | Southport ... | czbcz | bczbc | 36 | 59 | – | – | 6·2 | 11·8 |
| | Blackpool ... | cm | bcbz | 35 | 56 | – | – | 6·6 | 11·9 |
| | Morecambe ... | zbcbc | b | 42 | 57 | – | – | 7·9 | 11·2 |
| 9 | Ilkley... ... | b | b | 35 | 60 | – | – | 5·7 | 2·3 |
| | Harrogate ... | c | b | 40 | 56 | – | – | 4·3 | 2·6 |
| 10 | Berwick-on-T. | ocbc | bcb | 43 | 52 | – | – | 5·1 | 0·5 |
| 11 | Dunbar ... | cmo | bc | 43 | 55 | – | – | 7·3 | 0·9 |
| 12 | Troon... ... | bcb | bcb | 35 | 54 | – | – | 10·1 | 11·2 |
| | Douglas ... | bwz | bz | 38 | 53 | – | – | 10·3 | 10·8 |

Max. Temp. for period 21h. yesterday to 17h. to-day: Min. Temp. 21h.–9h.




BAROMETER. Isobars are drawn for intervals of two millibars.
WIND, WEATHER SYMBOLS. For explanation see opposite page.
SEA DISTURBANCE. Rough. High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature

| Districts. | FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 16th April, 1938. |
|---|---|
| 1 S.E. England<br>2 E. England ...<br>3 E. Midlands ...<br>4 W. Midlands ... | Light to moderate variable winds; bright and cloudy periods; local morning fog; rather warm by day, frost at night. |
| 5 S.W. England<br>6 South Wales ... | Moderate easterly winds, freshening; mainly fair; rather warm by day, local ground frost at night. |
| 7 North Wales ...<br>8 N.W. England | Northwesterly to northerly winds; fresh locally; bright periods; local rain or hail showers; becoming colder, ground frost at night. |
| 9 N. Midlands ... | As 1 – 4. |
| 10 N.E. England<br>11 S.E. Scotland<br>12 S.W. Scotland & Isle of Man.<br>13 A. W. Scotld. B.N.W.Scotland.<br>14 Mid Scotland<br>15 N. E. Scotland<br>16 Orkney and Shetland | Northerly to northwesterly winds, moderate to fresh; bright periods, showers of rain or hail; snow on high ground; becoming colder. |
| 17 N. W. Ireland<br>18 N. E. Ireland | As 7 – 8. |
| 19 S. E. Ireland<br>20 S. W. Ireland | Freshening easterly winds; mainly fair; rather warm by day, ground frost at night. |

## GENERAL INFERENCE.

An extensive anticyclone centred to the northwest of the British Isles will maintain mainly fair weather generally. In the North and Northwest there will be showers of rain or hail with snow on high ground.

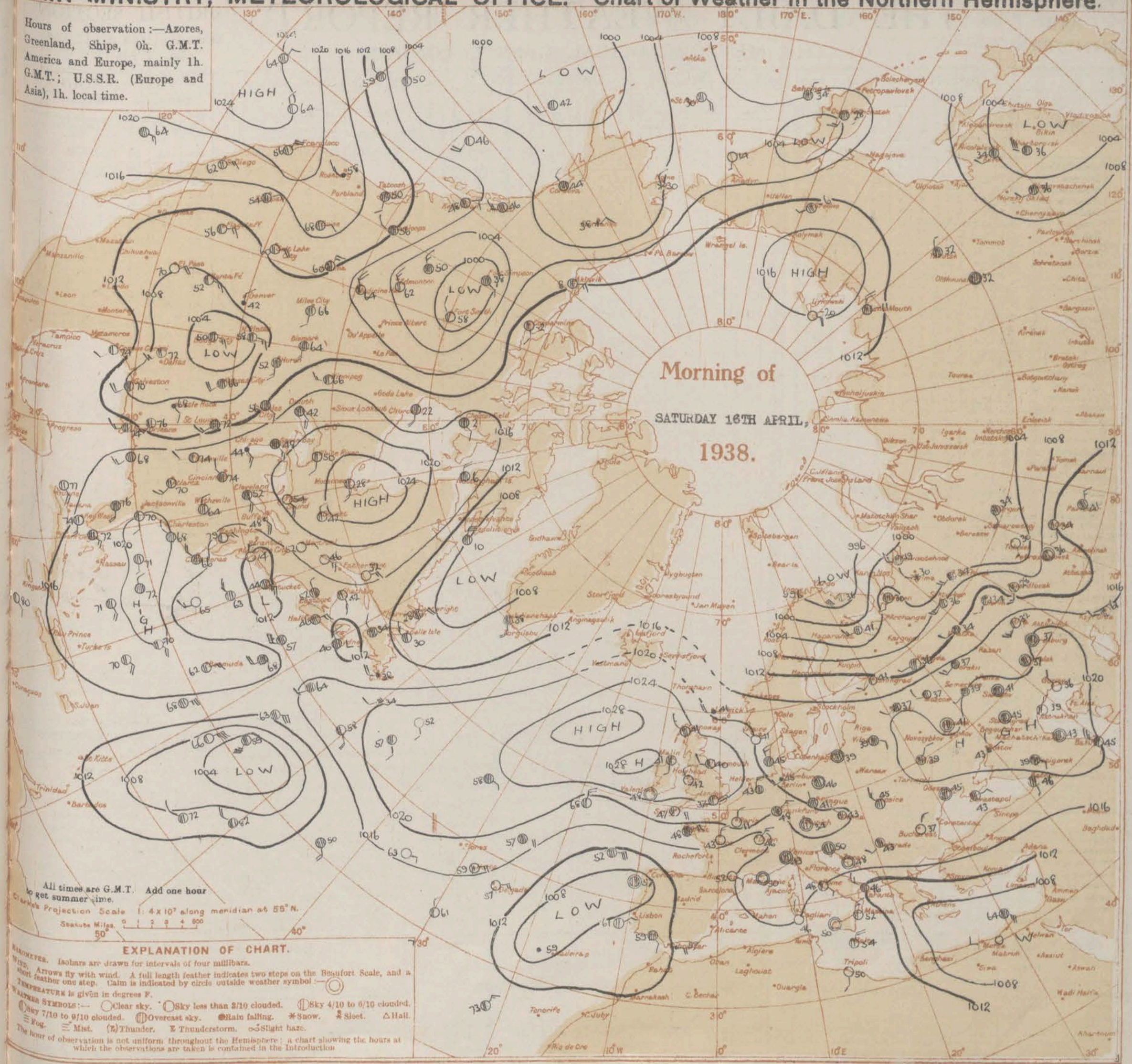
## FURTHER OUTLOOK.

Mainly fair.

Forecasts issued at 10.50 G.M.T.

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S.,
Director.

# AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.



AIR MINISTRY.

# THE DAILY WEATHER REPORT

## OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Saturday 16th April, 1938
No. 27904.

### OBSERVATIONS at 1 hr. G.M.T. 16th April

| District | Stations | Height above M.S.L. in feet | Barom. at M.S.L. mb. (1) | Change in 3 hours (2) | Wind Direc. (3) | Wind Force 0–12 (4) | Weather (5) | Temp. °F (6) | Humid. % (7) | Visibility 0–9 (8) | Cloud Form Low (9) | Cloud Form Med. (10) | Cloud Form High (11) | Cloud Amount Low 0–10 (12) | Cloud Amount Total 0–10 (13) | Height of Base (feet) (14) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | London (Kew) | 18 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Croydon ... | 217 | 1025.2 | -6 | ENE | 1 | c | 37 | 92 | 6 | - | - | 6 | 0 | 9 | - |
| | S. Farnborough | 226 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Boscombe Down | 417 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Calshot (Sthmtn.) | 8 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Lympne ... | 346 | 1025.0 | -6 | NE'N | 3 | b | 37 | 92 | 7 | - | - | 1 | 0 | 1 | - |
| | Manston ... | 142 | 1024.5 | -10 | NE | 3 | b | 41 | 85 | 8 | - | - | 6 | 0 | Tr | - |
| 2 | Shoeburyness ... | 11 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Felixstowe ... | 15 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Gorleston ... | 5 | 1025.2 | -6 | WNW | 2 | bc | 41 | 75 | 7 | - | 4 | - | 0 | 2-3 | - |
| | Mildenhall ... | 19 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Cranwell ... | 240 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 3 | Birmingham ... | 535 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Upper Heyford | 408 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 4 | Ross-on-Wye | 223 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 5 | Bristol ... | 209 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Portland Bill ... | 32 | 1023.2 | -4 | E | 4 | c | 47 | 75 | 8 | 4 | 4 | - | 4-6 | 9 | 2500 |
| | Plymouth ... | 82 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | The Lizard ... | 240 | 1023.1 | -2 | ENE | 4 | c | 47 | 85 | 8 | 8 | 6 | - | 7-8 | 9+ | 2500 |
| | Scilly (St.Mary's) | 163 | 1022.7 | -6 | E | 4 | bc | 47 | 85 | 7 | - | - | 2 | 0 | 2-3 | - |
| | Guernsey ... | 175 | 1022.3 | -2 | NE | 5 | c | 47 | 85 | 6 | 8 | - | - | 10 | 10 | 2500 |
| 6 | Pembroke ... | 142 | 1024.4 | -2 | ENE | 3 | b30 | 45 | 92 | 7 | - | - | - | 0 | 0 | - |
| 7 | Holyhead ... | 26 | 1025.5 | -2 | NNW | 2 | bjf | 42 | 97 | 5 | - | 4 | - | 0 | Tr | - |
| | Chester(Sealand) | 16 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 8 | Manchester ... | 70 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 10 | Spurn Head ... | 29 | 1026.0 | 0 | NW | 2 | c | 42 | 92 | 6 | - | 3 | - | 0 | 9+ | - |
| | Catterick ... | 175 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Tynemouth ... | 108 | 1025.5 | -10 | W | 2 | bc | 40 | 85 | 6 | 5 | - | - | 2-3 | 2-3 | 1500 |
| 11 | St.Abb's Head | 280 | 1025.4 | -10 | SW | 3 | c | 45 | 65 | 6 | 5 | - | - | 9+ | 9+ | 2500 |
| | Leuchars ... | 36 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 12 | Renfrew (Abbots I.) | 19 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Eskdalemuir ... | 794 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Point of Ayre ... | 30 | 1025.8 | 0 | N'W | 1 | b | 45 | 85 | 7 | - | - | 1 | 0 | Tr | - |
| 13A | Tiree ... | 22 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 13B | Stornoway ... | 80 | 1025.4 | -2 | NW | 2 | c | 41 | 85 | 8 | 5 | 7 | - | 4-6 | 7-8 | 2500 |
| 15 | Dalwhinnie ... | 1176 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Aberdeen ... | 79 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Wick ... | 81 | 1023.3 | 0 | NW | 3 | br | 43 | 97 | 7 | 5 | 7 | - | 7-8 | 9+ | 1500 |
| 16 | Lerwick ... | 156 | 1021.2 | -10 | W | 4 | rr | 41 | 85 | 8 | 6 | 2 | - | 7-8 | 10 | 800 |
| 17 | Blacksod Point | 18 | 1027.5 | 0 | N | 3 | c | 45 | 92 | 8 | 4 | 3 | - | 4-6 | 7-8 | 1500 |
| 18 | Malin Head ... | 84 | 1027.0 | 0 | S'W | 1 | bc | 41 | 92 | 7 | 4 | - | 2 | 2-3 | 4-6 | 4000 |
| | Aldergrove ... | 268 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 19 | Birr Castle ... | 173 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 20 | Valentia Obsy. † | 30 | 1025.6 | -2 | - | 0 | b | 48 | 97 | 6 | - | - | - | 0 | 0 | - |
| | Roches Point | 22 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |

### OBSERVATIONS at 7 hr. G.M.T. 16th April

| Stations | Barom. at M.S.L. mb. (15) | Change in 3 hours (16) | Wind Direc. (17) | Wind Force 0–12 (18) | Weather (19) | Temp. °F (20) | Humid. % (21) | Visibility 0–9 (22) | Cloud Form Low (23) | Cloud Form Med. (24) | Cloud Form High (25) | Cloud Amount Low 0–10 (26) | Cloud Amount Total 0–10 (27) | Height of Base (feet) (28) | State of Ground 0–9 (29) | Sea 0–9 (30) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| London (Kew) | 1025.1 | +6 | N | 2 | z0 | 40 | 75 | 5 | - | - | 2 | 0 | 4-6 | - | 0 | * |
| Croydon | 1025.1 | +6 | - | 0 | z0 | 35 | 92 | 6 | - | 4 | 2 | 0 | 9 | - | 0 | * |
| S. Farnborough | 1025.4 | +6 | - | 0 | c | 32 | 92 | 6 | - | - | 7 | 0 | 9+ | - | 0 | * |
| Boscombe Down | 1025.1 | +4 | N'E | 2 | c | 38 | 85 | 7 | - | - | 9 | 0 | 7-8 | - | 0 | * |
| Calshot (Sthmtn.) | 1024.6 | +2 | NNE | 3 | z0 | 41 | 75 | 6 | - | 1 | 4 | 0 | 9+ | - | 0 | 1 |
| Lympne | 1024.8 | +2 | N | 3 | bc | 42 | 85 | 6 | - | - | 4 | 0 | 4-6 | - | 0 | §2 |
| Manston | 1024.2 | +2 | NE'N | 3 | c | 45 | 85 | 8 | - | - | 6 | 0 | 7-8 | - | 0 | * |
| Shoeburyness | 1024.7 | +4 | N | 3 | bc | 42 | 85 | 7 | - | - | 6 | 0 | 4-6 | - | 0 | * |
| Felixstowe | 1024.7 | +4 | N'W | 2 | c | 40 | 85 | 7 | 5 | 3 | - | 4-6 | 7-8 | 2500 | 0 | 1 |
| Gorleston | 1024.6 | +4 | N | 3 | c | 43 | 92 | 6 | 5 | - | - | 10 | 10 | 2500 | 0 | 2 |
| Mildenhall | 1025.5 | +6 | W'S | 1 | m/f | 33 | 92 | 4 | - | - | 5 | 0 | 2-3 | - | 0 | * |
| Cranwell | 1025.5 | +2 | WSW | 2 | z0 | 30 | 85 | 5 | - | - | 1 | 0 | 2-3 | - | 0 | * |
| Birmingham | 1025.7 | +2 | NNW | 1 | bf | 30 | 92 | 3 | - | - | - | 0 | 0 | - | 0 | * |
| Upper Heyford | 1025.6 | -2 | N | 2 | bc | 37 | 85 | 6 | - | - | 2 | 0 | 4-6 | - | 0 | * |
| Ross-on-Wye | 1026.0 | 0 | N | 1 | m | 35 | 85 | 4 | - | - | 2 | 0 | 2-3 | - | 0 | * |
| Bristol | 1025.6 | +6 | - | 0 | z0 | 37 | 92 | 6 | - | 4 | 8 | 0 | 7-8 | - | 0 | * |
| Portland Bill | 1023.4 | +8 | E | 4 | c | 44 | 75 | 7 | 4 | 4 | - | 4-6 | 9 | 2500 | 0 | 3 |
| Plymouth | 1023.2 | +4 | NE'E | 2 | c | 44 | 85 | 7 | - | 9 | 7 | 0 | 9+ | - | 0 | 1 |
| The Lizard | 1021.8 | 0 | NE'E | 5 | c | 46 | 85 | 8 | 4 | 1 | - | 7-8 | 10 | 2500 | 0 | 3 |
| Scilly (St.Mary's) | 1022.1 | +4 | E'S | 5 | c | 46 | 75 | 8 | 8 | 4 | 7 | 2-3 | 10 | 2500 | 0 | 3 |
| Guernsey | 1021.7 | +4 | NE'E | 5 | c | 47 | 85 | 7 | 8 | 3 | - | 4-6 | 7-8 | 2500 | 0 | 4 |
| Pembroke | 1025.5 | +4 | NE'E | 2 | [illegible] | 42 | 85 | 7 | 5 | 1 | - | 2-3 | 4-6 | 4000 | 0 | 1 |
| Holyhead | 1025.3 | +8 | - | 0 | m | 40 | 85 | 4 | - | 3 | 8 | 0 | 7-8 | - | 0 | 0 |
| Chester(Sealand) | 1026.0 | +6 | - | 0 | m | 34 | 92 | 4 | - | 5 | - | 0 | 2-3 | - | 0 | * |
| Manchester | 1025.7 | +4 | SE | 1 | bF | 30 | 97 | 0 | - | - | 4 | 0 | 1 | - | 1 | * |
| Spurn Head | 1024.3 | 0 | WNW | 3 | m | 44 | 75 | 4 | - | - | 6 | 0 | 7-8 | - | 1 | 2 |
| Catterick | 1025.0 | -2 | - | 0 | z0 | 31 | 97 | 5 | - | - | 9 | 0 | Tr | - | 3 | * |
| Tynemouth | 1023.7 | -2 | W | 2 | bc | 40 | 85 | 6 | 5 | - | - | 4-6 | 4-6 | 800 | 0 | 1 |
| St.Abb's Head | 1023.7 | -2 | WNW | 4 | b | 45 | 65 | 6 | - | 3 | - | 0 | Tr | 4000 | 0 | 1 |
| Leuchars | 1024.6 | +6 | W | 3 | c | 43 | 85 | 7 | 7 | 3 | - | 4-6 | 7-8 | 2500 | 0 | * |
| Renfrew (Abbots I.) | 1025.5 | +2 | W | 2 | z0 | 46 | 85 | 6 | 3 | - | - | 4-6 | 4-6 | 2500 | 0 | * |
| Eskdalemuir | 1025.8 | +4 | - | 0 | b | 33 | 97 | 6 | 5 | - | - | Tr | Tr | 2500 | 3 | * |
| Point of Ayre | 1026.0 | +2 | N | 4 | b | 45 | 85 | 7 | 2 | - | 4 | Tr | 1 | 4000 | 1 | 2 |
| Tiree | 1028.1 | +12 | N'W | 5 | bc | 45 | 75 | 8 | 8 | - | - | 4-6 | 4-6 | 2500 | 0 | 4 |
| Stornoway | 1026.5 | +2 | WNW | 4 | bc | 42 | 65 | 8 | 8 | - | - | 4-6 | 4-6 | 2500 | 1 | 2 |
| Dalwhinnie | * | +10 | N | 3 | c | 41 | 75 | 8 | 4 | 6 | - | 4-6 | 7-8 | 4000 | 0 | * |
| Aberdeen | 1024.3 | +16 | NW'W | 4 | bc | 44 | 63 | 8 | 8 | - | - | 4-6 | 4-6 | 2500 | 0 | 1 |
| Wick | 1023.6 | +10 | WNW | 3 | c/pr | 40 | 92 | 8 | 8 | 1 | - | 4-6 | 7-8 | 1500 | 1 | 1 |
| Lerwick | 1019.0 | +2 | WNW | 4 | d/pr | 38 | 85 | | 8 | 7 | - | 4-6 | 4-6 | 1500 | 1 | * |
| Blacksod Point | 1028.7 | +8 | NE | 7 | q | 45 | 97 | 8 | 5 | - | - | 10 | 10 | 1500 | 0 | 5 |
| Malin Head | 1028.4 | +12 | NNW | 4 | bcjp | 47 | 75 | 8 | 8 | - | - | 4-6 | 4-6 | 2500 | 0 | 2 |
| Aldergrove | 1027.7 | +2 | - | 0 | z0 | 41 | 92 | 6 | - | - | - | 0 | 0 | - | 0 | * |
| Birr Castle | 1027.0 | +6 | NNE | 1 | c | 35 | 97 | 8 | 5 | - | - | 7-8 | 7-8 | 2500 | 0 | * |
| Valentia Obsy. † | 1025.3 | +8 | ENE | 2 | bc | 45 | 85 | 7 | - | - | 6 | 0 | 4-6 | - | 0 | 1 |
| Roches Point | 1025.3 | * | NE | 3 | bc | 41 | 92 | 8 | - | - | 3 | 0 | 4-6 | - | 0 | 1 |

### PAST 24 HOURS.

| Stations | Temperature Max. Day 7h–18h °F (31) | Min. Night 18h–7h °F (32) | Min. on Grass °F (33) | Rainfall Day 7h–18h mm. (34) | Rainfall Night 18h–7h mm. (35) | Sunshine 15th Hrs. (36) |
|---|---|---|---|---|---|---|
| London (Kew) | 54 | 37 | 22 | - | - | 2.1 |
| Croydon | 54 | 31 | 25 | - | - | 1.1 |
| S. Farnborough | 55 | 27 | 16 | - | - | 3.3 |
| Boscombe Down | 53 | 33 | 23 | - | - | 5.4 |
| Calshot (Sthmtn.) | 55 | 39 | 35 | - | - | 0.4 |
| Lympne | 51 | 35 | 29 | - | - | 0.3 |
| Manston | 45 | 37 | 31 | - | - | 1.4 |
| Shoeburyness | 51 | 32 | 24 | - | - | 0.0 |
| Felixstowe | 51 | 32 | 28 | - | - | 0.3 |
| Gorleston | 52 | 37 | 36 | - | - | 6.7 |
| Mildenhall | 54 | 25 | 20 | - | Tr | 5.0 |
| Cranwell | 51 | 31 | 21 | - | - | 1.0 |
| Birmingham | 52 | 36 | 20 | - | - | 4.5 |
| Upper Heyford | 55 | 33 | 26 | - | - | * |
| Ross-on-Wye | 56 | 31 | 22 | - | - | 3.2 |
| Bristol | 56 | 33 | 20 | - | - | 7.6 |
| Portland Bill | 52 | 41 | * | - | - | * |
| Plymouth | 54 | 42 | 35 | - | - | 8.3 |
| The Lizard | 53 | 45 | * | - | - | 3.2 |
| Scilly (St.Mary's) | 55 | 45 | * | - | - | 4.3 |
| Guernsey | 50 | 46 | 46 | - | - | 0.3 |
| Pembroke | 56 | 40 | * | - | - | 3.5 |
| Holyhead | 51 | 38 | 30 | - | Tr | 10.3 |
| Chester(Sealand) | 53 | 31 | 28 | - | - | 6.1 |
| Manchester | 53 | 30 | 25 | - | - | 5.5 |
| Spurn Head | 52 | 41 | * | - | - | 3.2 |
| Catterick | 53 | 27 | 24 | - | - | 6.2 |
| Tynemouth | 51 | 38 | 34 | - | - | 5.4 |
| St.Abb's Head | 50 | 43 | * | - | - | * |
| Leuchars | 53 | 36 | 27 | - | - | 7.3 |
| Renfrew (Abbots I.) | 53 | 37 | 33 | - | - | 12.2 |
| Eskdalemuir | 53 | 26 | 22 | - | - | 7.7 |
| Point of Ayre | 51 | 37 | * | - | - | 11.2 |
| Tiree | 52 | 43 | 40 | - | - | 3.7 |
| Stornoway | 55 | 40 | * | Tr | 0.5 | 1.1 |
| Dalwhinnie | 51 | 31 | 20 | N0.1 | - | 3.8 |
| Aberdeen | 54 | 43 | 41 | - | - | 0.5 |
| Wick | 54 | 38 | * | - | 0.2 | * |
| Lerwick | 51 | 37 | * | - | 2 | 1.0 |
| Blacksod Point | 54 | 43 | * | - | - | * |
| Malin Head | 51 | 33 | * | - | 0.2 | 6.1 |
| Aldergrove | 58 | 33 | 28 | - | - | 7.3 |
| Birr Castle | 60 | 33 | * | - | - | 12.3 |
| Valentia Obsy. † | 62 | 40 | 34 | Tr | Tr | 11.5 |
| Roches Point | 55 | 40 | * | - | Tr | * |

### LONDON OBSERVATIONS

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations except for rainfall which is 9h—18h.

| Station | Height above M.S.L. in feet | Weather Morning (24 hrs. ended 9h.) | Weather Afternoon | Weather Night | Temperature Day Max. °F | Night Min. °F | Min. on Grass °F | Rainfall Day mm. | Rainfall Night mm. | Sunshine to Sunset hrs. (Yesterday) | Humidity 15h. G.M.T. % (Yesterday) | Humidity 9h. G.M.T. % (To-day) | Visibility 9h. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kew | 18 | cm0cz0 | cz0y | cz0yz0mz0 | 54 | 37 | 22 | - | - | 2.1 | * | * | 6 |
| Croydon | 217 | cm0z0 | cz0yc | m0wDcwx | 54 | 31 | 25 | - | - | 1.1 | * | * | 6 |
| Greenwich (Royal Observatory) | 149 | c | cy | cbcbx | 55 | 36 | 24 | - | Tr | 0.4 | 51 | 56 | 7 |
| City (Bunhill Row) | — | * | * | * | * | * | * | * | * | 0.5 | * | * | * |
| Westminster (St. James' Park) | 27 | * | * | * | 55 | 39 | 31 | - | - | 0.8 | 54 | 74 | * |
| Regents Pk. (Botanic Gardens)‡ | 168 | * | * | * | 56 | 36 | 28 | - | - | 0.3 | 62 | 72 | * |
| Camden Square | 110 | c | c | * | 56 | 36 | 27 | - | - | * | * | 63 | * |
| Kensington | 80 | bc | cbc | * | 56 | 37 | 27 | - | - | 1.0 | At 18h. 58 | 61 | * |
| Hampstead Observatory | 456 | bc | bc | bc | 53 | 44 | 39 | - | - | 1.1 | * | 77 | * |

### Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. 16th.

| | Max. | Time. | Min. | Time. |
|---|---|---|---|---|
| South Kensington | <0.3 | whole | period | |
| Kew Observatory | 0.2 | 21h 15th | <0.1 | 15h 15th |

### FOREIGN OBSERVATIONS.

| Stations | 18h G.M.T. 15th April Barom. mb. | Wind Direc. | Wind Force | Weather | Temp. °F | 7h. G.M.T. 16th April Barom. mb. | Wind Direc. | Wind Force | Weather | Temp. °F | Past 24 Hours Max. Day °F | Min. Night °F | Rainfall Day mm. | Rainfall Night mm. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Paris | 1020.5 | NNE | 3 | 0 | 50 | 1020.7 | NE | 3 | z0 | 45 | 54 | 41 | | - |
| Brussels | 1022.3 | NE | 3 | 0 | 48 | | | | | | 48 | | 0.2 | |
| Berlin | 1017.0 | W | 3 | c | 57 | 1017.7 | WSW | 1 | z0 | 46 | 61 | 45 | - | 2 |
| Zürich | 1017.0 | ENE | 2 | b | 58 | 1015.1 | ESE | 1 | b | 41 | 63 | 37 | - | - |
| Rome | 1013.7 | S | 1 | bc | 55 | 1017.4 | NE | 1 | bc | 64 | * | * | 0.4 | - |

### EXPLANATION OF FIGURES, LETTERS, etc.

**COLUMNS 2, 16.**
The barometric tendency is expressed in tenths of a millibar.

**COLUMNS 4, 18.**
THE BEAUFORT SCALE OF WIND is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers is the speed at about 30 feet above the ground.

| Beaufort No. | Statute m/h. | Beaufort No. | Statute m/h. | Beaufort No. | Statute m/h. |
|---|---|---|---|---|---|
| 0 | <1 | 4 | 13–18 | 9 | 47–54 |
| 1 | 1–3 | 5 | 19–24 | 10 | 55–63 |
| 2 | 4–7 | 6 | 25–31 | 11 | 64–75 |
| 3 | 8–12 | 7 | 32–38 | 12 | > 75 |
| | | 8 | 39–46 | | |

**COLUMNS 34, 35.**
Tr. = rain has fallen, but amount less than 0·1 mm.

**COLUMNS 8, 22.—Code for surface visibility.**

| | Objects not visible at |
|---|---|
| 0 Dense fog | 55 yards. |
| 1 Thick fog | 220 ,, |
| 2 Fog | 550 ,, |
| 3 Moderate fog | 1,100 ,, |
| 4 Mist or haze | 1¼ miles. |
| 5 Poor visibility | 2½ ,, |
| 6 Moderate ,, | 6¼ ,, |
| 7 Good ,, | 12½ ,, |
| 8 Very good ,, | 31 ,, |
| 9 Excellent ,, | beyond 31m. |

**COLUMN 30.—Code for State of Sea.**

| | |
|---|---|
| 0 Calm. | 5 Very rough. |
| 1 Smooth. | 6 High. |
| 2 Slight. | 7 Very high. |
| 3 Moderate. | 8 Precipitous. |
| 4 Rough. | 9 Confused. |

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METEOROLOGICAL OFFICE, AIR MINISTRY, ADASTRAL HOUSE, KINGSWAY, LONDON, W.C.2. GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S., Director.

† 1 hr. observations are from Valentia W/T Station. ‡ Maximum and Minimum Temperatures are for the 24 hours ending 8 h. § Sea disturbance reported from Dungeness.

AIR MINISTRY.

# THE DAILY WEATHER REPORT

## OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Sunday 17th April, 1938.
No. 27905.

### OBSERVATIONS at 13h. G.M.T. 16th April

| District | Stations. (For heights see p. 4.) | Barom. at M.S.L. mb. (1) | Change in 3 hours. (2) | Wind. Direc. (3) | Wind. Force 0–12 (4) | Weather. (5) | °Temp. °F. (6) | % Humid. (7) | Visibility 0–9 (8) | Cloud. Form. Low (9) | Form. Med. (10) | Form. High (11) | Amount. Low 0–10 (12) | Amount. Total 0–10 (13) | Height of Base (feet) (14) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | London (Kew) | 1024·2 | -4 | E | 2 | $Z_o$ | 55 | 55 | 6 | 1 | - | 1 | 1 | 2-3 | 4000 |
| | Croydon ... | 1024·7 | -2 | NE'N | 3 | c | 51 | 65 | 6 | 5 | - | - | 10 | 10 | 4000 |
| | S. Farnborough | 1024·0 | -8 | NE'E | 3 | $Z_o$ | 55 | 55 | 6 | - | - | 7 | 0 | 10 | - |
| | Boscombe Down | 1024·2 | -4 | NE'N | 3 | c | 52 | 55 | 7 | - | 2 | 8 | 0 | 7-8 | - |
| | Calshot (Sthmtn.) | 1023·9 | -6 | NE'E | 3 | c | 56 | 55 | 7 | - | 7 | 2 | 0 | 9 | - |
| | Lympne ... | 1024·8 | -2 | NE | 4 | c | 47 | 75 | 8 | 5 | - | - | 10 | 10 | 1500 |
| | Manston ... | 1024·8 | -2 | NE | 4 | c | 47 | 75 | 7 | 5 | - | - | 10 | 10 | 1500 |
| 2 | Shoeburyness ... | 1024·9 | 0 | ENE | 3 | c | 49 | 75 | 7 | 5 | - | - | 9+ | 9+ | 2500 |
| | Felixstowe ... | 1025·2 | 0 | ENE | 2 | c | 50 | 85 | 7 | 5 | - | 5 | 7-8 | 9 | 1500 |
| | Gorleston ... | 1025·2 | +2 | N'E | 3 | bc | 50 | 75 | 6 | - | 3 | 1 | 0 | 4-6 | - |
| | Mildenhall ... | 1024·6 | -6 | N'W | 2 | c | 58 | 55 | 8 | 1 | - | 6 | 4-6 | 7-8 | 4000 |
| | Cranwell ... | 1024·5 | -8 | NW | 3 | $Z_o$ | 58 | 55 | 6 | - | - | 6 | 0 | 2-3 | - |
| 3 | Birmingham ... | 1024·3 | -6 | NNW | 2 | $Z_o$ | 56 | 55 | 6 | - | - | - | 0 | 0 | - |
| | Upper Heyford | 1024·8 | -4 | N | 1 | c | 57 | 55 | 8 | - | - | 6 | 0 | 9 | - |
| 4 | Ross-on-Wye | 1024·4 | -6 | ENE | 3 | $Z_o$ | 58 | 45 | 6 | - | - | 6 | 0 | 7-8 | - |
| 5 | Bristol ... | 1024·4 | -14 | E'N | 3 | c | 55 | 65 | 8 | - | 1 | 8 | 0 | 7-8 | - |
| | Portland Bill ... | 1023·4 | -4 | SE | 4 | c | 50 | 75 | 7 | 4 | 4 | - | 7-8 | 10 | 2500 |
| | Plymouth ... | 1023·1 | -2 | NE | 4 | c | 52 | 65 | 8 | - | - | 8 | 0 | 9+ | - |
| | The Lizard ... | 1022·2 | +2 | ENE | 5 | c | 51 | 65 | 8 | 4 | 7 | - | 4-6 | 7-8 | 2500 |
| | Scilly (St. Mary's) | 1023·0 | +4 | E'N | 4 | c | 53 | 65 | 7 | 8 | 6 | 4 | 2-3 | 9 | 2500 |
| | Guernsey ... | 1021·2 | 0 | NE | 5 | c | 51 | 75 | 7 | - | 7 | 8 | 0 | 7-8 | - |
| 6 | Pembroke .. | 1025·2 | 0 | NE | 4 | q | 54 | 75 | 6 | 5 | 7 | - | 4-6 | 4-6 | 4000 |
| 7 | Holyhead ... | 1027·2 | +2 | N'E | 5 | bc | 50 | 75 | 7 | 2 | - | 8 | 1 | 4-6 | 2500 |
| | Chester (Sealand) | 1026·7 | 0 | NNW | 4 | bc | 50 | 75 | 7 | 5 | 5 | - | 4-6 | 4-6 | 2500 |
| 8 | Manchester ... | 1025·3 | -8 | ~~NNW~~ | ~~5~~ | $Z_o$ | 58 | 65 | 5 | - | - | - | 0 | 0 | - |
| 10 | Spurn Head ... | 1024·9 | 0 | N'E | 5 | m | 55 | 65 | 4 | - | - | 7 | 0 | 10 | - |
| | Catterick ... | 1026·7 | -6 | NE'N | 4 | $Z_o$ | 51 | 55 | 5 | 4 | - | - | 7-8 | 7-8 | 4000 |
| | Tynemouth ... | 1026·7 | +16 | N | 4 | bc | 47 | 45 | 8 | 2 | 4 | - | 2-3 | 4-6 | 1500 |
| 11 | St Abbs Head . | 1027·0 | +12 | N | 3 | bc | 47 | 75 | 8 | 4 | 6 | 2 | 2-3 | 4-6 | 2500 |
| | Leuchars .. | 1027·3 | +10 | NW | 4 | bc | 51 | 55 | 9 | 7 | - | - | 4-6 | 4-6 | 4000 |
| 12 | Renfrew (Abbotsl.) | 1027·5 | +10 | N'E | 3 | bc | 54 | 45 | 9 | 7 | - | - | 4-6 | 4-6 | 4000 |
| | Eskdalemuir ... | 1026·2 | +10 | NNE | 4 | bc | 53 | 55 | 7 | 8 | - | - | 4-6 | 4-6 | 4000 |
| | Point of Ayre... | 1027·7 | +10 | N'W | 4 | b | 53 | 65 | 8 | 1 | - | 1 | Tr | 1 | 4000 |
| 13A | Tiree ... ... | 1030·3 | +10 | N | 4 | bc | 49 | 65 | 8 | 8 | 6 | - | 2-3 | 4-6 | 2500 |
| 13B | Stornoway ... | 1029·7 | +10 | NW | 5 | c | 46 | 65 | 8 | 8 | - | 3 | 4-6 | 7-8 | 2500 |
| 15 | Dalwhinnie ... | 1028·7 | +6 | N | 4 | bc | 45 | 45 | 8 | 4 | 6 | - | 2-3 | 4-6 | 4000 |
| | Aberdeen ... | 1026·9 | +14 | NNW | 5 | bc/pr | 48 | 45 | 8 | 8 | - | - | 4-6 | 4-6 | 2500 |
| | Wick ... | 1026·7 | +16 | NW | 5 | c/phr | 43 | 65 | 8 | 8 | 7 | - | 4-6 | 7-8 | 1500 |
| 16 | Lerwick ... | 1020·3 | +4 | WNW | 7 | c | 40 | 65 | 8 | 8 | - | - | 7-8 | 7-8 | 1500 |
| 17 | Blacksod Point | 1031·7 | +16 | NE | 5 | bc | 51 | 65 | 8 | 2 | - | - | 4-6 | 4-6 | 2500 |
| 18 | Malin Head ... | 1031·7 | +16 | N | 4 | c | 48 | 75 | 8 | 8 | 5 | - | 4-6 | 7-8 | 4000 |
| | Aldergrove ... | 1029·9 | +10 | N'E | 4 | bc | 50 | 55 | 9 | 5 | - | - | 4-6 | 4-6 | 4000 |
| 19 | Birr Castle ... | 1028·8 | +6 | NE | 2 | c | 51 | 75 | 8 | 5 | - | - | 9+ | 9+ | 1500 |
| 20 | Valentia Obsy. † | 1027·2 | +2 | NE | 5 | c | 56 | 55 | 7 | 1 | 3 | 6 | 1 | 7-8 | 4000 |
| | Roches Point | 1026·4 | * | E | 4 | bc | 58 | 55 | 8 | 1 | - | 5 | 1 | 4-6 | 4000 |

### OBSERVATIONS at 18h. G.M.T. 16th April

| District | Stations. | Barom. at M.S.L. mb. (15) | Change in 3 hours. (16) | Wind. Direc. (17) | Wind. Force 0–12 (18) | Weather. (19) | °Temp. °F. (20) | % Humid. (21) | Visibility 0–9 (22) | Cloud. Form. Low. (23) | Form. Med. (24) | Form. High. (25) | Amount. Low 0–10 (26) | Amount. Total 0–10 (27) | Height of Base (feet) (28) | State of Ground. 0–9 (29) | Sea. 0–9 (30) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | London (Kew) | 1023·7 | -2 | ESE | 3 | $Z_o$ | 53 | 65 | 5 | - | - | 7 | 0 | 10 | - | 0 | * |
| | Croydon ... | 1024·1 | -2 | E'N | 3 | $Z_o$ | 50 | 75 | 6 | - | 1 | - | 0 | 9+ | - | 0 | * |
| | S. Farnborough | 1023·4 | -2 | E | 2 | $Z_o$ | 52 | 65 | 6 | - | 2 | 7 | 0 | ~~9+~~ 10 | - | 0 | * |
| | Boscombe Down | 1023·1 | -4 | NE'N | 3 | c | 55 | 55 | 8 | - | - | 8 | 0 | 7-8 | - | 0 | * |
| | Calshot (Sthmtn.) | 1023·5 | +2 | E'N | 3 | $Z_o$ | 52 | 75 | 6 | - | - | 6 | 0 | 9 | - | 0 | 3 |
| | Lympne ... | 1024·3 | -2 | NE'N | 5 | c | 44 | 85 | 8 | 5 | - | 8 | 4-6 | 9 | 5700 | 0 | *3 |
| | Manston ... | 1024·4 | +2 | ENE | 4 | c | 45 | 85 | 7 | 5 | 1 | - | 2-3 | 7-8 | 4000 | 0 | * |
| 2 | Shoeburyness ... | 1025·0 | +2 | ENE | 3 | c | 46 | 85 | 7 | 5 | - | 6 | 1 | 9 | 1500 | 0 | * |
| | Felixstowe ... | 1025·2 | +2 | NE | 3 | c | 47 | 85 | 7 | - | - | 8 | 0 | 7-8 | - | 0 | 2 |
| | Gorleston ... | 1025·5 | +4 | N | 2 | c | 49 | 75 | 6 | - | 7 | - | 0 | 7-8 | - | 0 | 2 |
| | Mildenhall ... | 1025·4 | +12 | NNE | 4 | c | 51 | 55 | 8 | 5 | 4 | - | 7-8 | 7-8 | 4000 | 0 | * |
| | Cranwell ... | 1026·3 | +26 | NE'N | 5 | c | 48 | 65 | 8 | 5 | 5 | 6 | 2-3 | 9 | 4000 | 0 | * |
| 3 | Birmingham ... | 1024·7 | +6 | ENE | 5 | c | 53 | 65 | 6 | 5 | - | - | 9+ | 9+ | 2500 | 0 | * |
| | Upper Heyford | 1024·0 | 0 | NE | 3 | $Z_o$ | 57 | 55 | 6 | 5 | - | 7 | 7-8 | 9+ | 4000 | 0 | * |
| 4 | Ross-on-Wye | 1024·1 | 0 | N'E | 3 | $Z_o$ | 55 | 65 | 6 | 5 | - | - | 9+ | 9+ | 2500 | 0 | * |
| 5 | Bristol ... | 1023·5 | -4 | E'N | 3 | $Z_o$ | 57 | 55 | 6 | - | 1 | 8 | 0 | 9+ | - | 0 | * |
| | Portland Bill ... | 1022·6 | -4 | E | 4 | c | 48 | 85 | 7 | 4 | 4 | - | 7-8 | 10 | 2500 | 0 | 3 |
| | Plymouth ... | 1021·9 | -4 | NE'E | 3 | c | 55 | 65 | 8 | - | 9 | 8 | 0 | 9+ | - | 0 | 1 |
| | The Lizard ... | 1022·1 | +4 | NE'E | 3 | bc | 48 | 85 | 7 | 4 | 7 | 1 | 4-6 | 4-6 | 2500 | 0 | 2 |
| | Scilly (St. Mary's) | 1022·0 | 0 | NE'E | 5 | c | 49 | 85 | 7 | 5 | 4 | 9 | 2-3 | 7-8 | 2500 | 0 | 3 |
| | Guernsey ... | 1021·4 | +2 | E'S | 5 | bc | 49 | 75 | 7 | 1 | - | 8 | Tr. | 4-6 | 2500 | 0 | 4 |
| 6 | Pembroke .. | 1024·8 | -6 | N'E | 6 | q | 49 | 75 | 7 | 5 | 7 | - | 4-6 | 7-8 | 4000 | 0 | 3 |
| 7 | Holyhead ... | 1026·7 | -4 | N'E | 6 | bc | 48 | 65 | 8 | - | - | 8 | 0 | 2-3 | - | 0 | 3 |
| | Chester (Sealand) | 1026·6 | +2 | W'N | 3 | bc | 51 | 65 | 7 | 5 | - | - | 4-6 | 4-6 | 4000 | 0 | * |
| 8 | Manchester ... | 1026·3 | +14 | NE | 4 | $Z_o$ | 54 | 55 | 6 | 7 | 3 | - | 2-3 | 2-3 | 4000 | 0 | |
| 10 | Spurn Head ... | 1027·5 | +18 | NE'N | 5 | bc | 47 | 75 | 7 | - | - | 8 | 0 | 4-6 | - | 0 | 3 |
| | Catterick ... | 1028·6 | +14 | NE'N | 3 | bc | 46 | 65 | 8 | 5 | - | - | 4-6 | 4-6 | 2500 | 0 | * |
| | Tynemouth ... | 1028·4 | +10 | NNE | 3 | bc | 45 | 75 | 8 | 2 | - | - | 4-6 | 4-6 | 1500 | 0 | 2 |
| 11 | St Abbs Head . | 1028·7 | +10 | ENE | 1 | bc | 48 | 65 | 9 | 1 | 4 | 1 | 2-3 | 2-3 | 4000 | 0 | 1 |
| | Leuchars .. | 1028·5 | +8 | NNW | 4 | bc | 51 | 45 | 9 | 1 | - | - | 2-3 | 2-3 | 4000 | 0 | * |
| 12 | Renfrew (Abbotsl.) | 1028·4 | +6 | NW'W | 4 | b | 50 | 55 | 9 | 1 | - | - | Tr | Tr | 4000 | 0 | * |
| | Eskdalemuir ... | 1027·4 | +8 | NNE | 3 | bc | 50 | 35 | 8 | 7 | - | - | 2-3 | 2-3 | 4000 | 0 | * |
| | Point of Ayre... | 1028·0 | +2 | N | 4 | b | 50 | 65 | 8 | 1 | - | - | Tr | Tr | 4000 | 0 | 3 |
| 13A | Tiree ... ... | 1032·3 | +4 | N'W | 5 | c | 45 | 75 | 8 | 8 | - | - | 7-8 | 7-8 | 1500 | 0 | -5 |
| 13B | Stornoway ... | 1031·7 | +10 | NNW | 5 | c/phr | 42 | 65 | 8 | 8 | - | - | 4-6 | 7-8 | 1500 | 1 | 2 |
| 15 | Dalwhinnie ... | 1030·8 | +8 | N | 4 | c | 40 | 55 | 8 | 4 | 6 | - | 4-6 | 7-8 | 4000 | 0 | * |
| | Aberdeen ... | 1028·8 | +4 | NNW | 5 | c/pr | 44 | 55 | 7 | 8 | - | - | 7-8 | 7-8 | 2500 | 0 | 2 |
| | Wick ... | 1027·8 | +4 | NW | 8 | c | 42 | 45 | 8 | 8 | 1 | - | 4-6 | 7-8 | 1500 | 1 | 4 |
| 16 | Lerwick ... | 1025·3 | +2·8 | N | 6 | c/ps | 34 | 65 | 8 | 8 | 7 | - | 7-8 | 9+ | 800 | 1 | * |
| 17 | Blacksod Point | 1032·7 | +4 | NE | 5 | q | 49 | 75 | 9 | 2 | - | - | 4-6 | 4-6 | 4000 | 0 | 5 |
| 18 | Malin Head ... | 1033·1 | +4 | N'E | 4 | jp | 46 | 85 | 8 | 8 | 3 | - | 4-6 | 7-8 | 2500 | 0 | 3 |
| | Aldergrove ... | 1031·0 | +10 | N'E | 4 | bc | 47 | 55 | 9 | 5 | - | - | 2-3 | 2-3 | 4000 | 0 | * |
| 19 | Birr Castle ... | 1028·5 | 0 | NE | 2 | bc | 53 | 55 | 8 | 4 | - | 8 | 4-6 | 4-6 | 4000 | 0 | * |
| 20 | Valentia Obsy. † | 1027·2 | +6 | NE'E | 5 | c | 53 | 55 | 8 | 1 | 3 | 6 | 2-3 | 7-8 | 4000 | 0 | 2 |
| | Roches Point | 1026·4 | * | E'N | 4 | c | 55 | 65 | 8 | 5 | - | 5 | 4-6 | 7-8 | 2500 | 0 | 2 |

### PAST 24 HOURS.

| District | Stations. | Weather. 7h.—13h. 16th (37) | 13h.—18h. 16th (38) | 18h. 16th to 1h. 17th (39) | 1h.—7h. 17th (40) |
|---|---|---|---|---|---|
| 1 | London (Kew) | bcz$_o$y | bcycz$_o$ | cz$_o$ | bcz$_o$ |
| | Croydon ... | cmbccz$_o$ | bcz$_o$⊕z$_o$ | cbcwm$_o$ | cbcwbc |
| | S. Farnborough | c⊕z$_o$y | ⊕ycz$_o$ | cbcm$_o$ | bcbx |
| | Boscombe Down | ccy | bcycy | cybc | bc |
| | Calshot (Sthmtn.) | ccy⊕ | cm$_o$ | bcw | bcw |
| | Lympne ... | b,c | c | cbcwc | cbbcy |
| | Manston ... | cid$_o$m$_o$ | bcc | cbbcc | cbcqc |
| 2 | Shoeburyness ... | bcc | c | cbc | bcb |
| | Felixstowe ... | c | cbc | bccbc | bccpr |
| | Gorleston ... | cbc | bcc | bcq | cid$_o$bq |
| | Mildenhall ... | bmbccy | bcycy | cy,bx | bcxc |
| | Cranwell ... | bz$_o$y | cz$_o$c | cbcbw | bwpr$_o$ |
| 3 | Birmingham ... | fbz | bc | bbc | bc |
| | Upper Heyford | bccy | cycz$_o$y | cz$_o$bc | bcwc |
| 4 | Ross-on-Wye | bcm⊕yz$_o$ | bcyz$_o$cyz$_o$ | cz$_o$cy | cbxbz$_o$ |
| 5 | Bristol ... | bccbc | bccz$_o$y | cqbc | cbcx |
| | Portland Bill ... | c | c | c | c |
| | Plymouth ... | c⊕ | c⊕ | c | cbcy |
| | The Lizard ... | c | bc | bcw | bcc |
| | Scilly (St. Mary's) | c | cbcc | cbc | bcb |
| | Guernsey ... | c | cbc | bcw | bcwc |
| 6 | Pembroke .. | bcz$_o$q | bcq | bcqc | bcq |
| 7 | Holyhead ... | cmbbc⊕ | bcb | bcwm$_o$b | bwm$_o$bc |
| | Chester (Sealand) | bmxicm$_o$b | bccbc | bcm$_o$ | bwxcm$_o$ |
| 8 | Manchester ... | bcfbmz | bz$_o$bczy | bcz$_o$ybc | bc |
| 10 | Spurn Head ... | cz | cz$_o$bc | bcc | cp$_o$cq |
| | Catterick ... | bm$_o$cz$_o$ | z$_o$bcy | bm$_o$bc | bc |
| | Tynemouth ... | bc | bc | bc | bccprs |
| 11 | St Abbs Head . | cbc | b | by | cprs |
| | Leuchars .. | bcqy | bcyqby | byx | bxcp$_o$y |
| 12 | Renfrew (Abbotsl.) | bbcyv | bcyby | bx | bx |
| | Eskdalemuir ... | bxbbcy | bcby | byb | bc |
| | Point of Ayre... | bbc | b | b | b |
| 13A | Tiree ... ... | bc | bc | cbc | c |
| 13B | Stornoway ... | bcphrq | cphrq | cphr | cps |
| 15 | Dalwhinnie ... | cir | c | * | bccprs |
| | Aberdeen ... | bcpr. | bcpr$_o$ | pr$_o$bc | bccps |
| | Wick ... | cphrq | cy | cs$_o$sc | cps |
| 16 | Lerwick ... | cphrq | cphrsq | bcps$_o$q | bccps |
| 17 | Blacksod Point | bcq | bcq | bcq | bcq |
| 18 | Malin Head ... | cbcc | cp$_o$c | cbc | bcc |
| | Aldergrove ... | bcd$_o$bcy | bcybcy | bybx | bxb |
| 19 | Birr Castle ... | c | cbc | bcb | b |
| 20 | Valentia Obsy. † | bcc | cy | cybc | bc |
| | Roches Point | bcy | bcyc | cbc | bcb |

## EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

### COLUMNS 5, 19, 37, 38, 39, 40—BEAUFORT NOTATION AND SYMBOLS FOR WEATHER.

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog „ less than 220 yds.
f$_o$, low fog over sea (coast station).
f$_g$, low fog over land (inland station).
m, mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jf, fog at a distance, but not at station.
jp, precipitation within sight of station.
k$_s$, storm of drifting snow.
k/s$_o$, slight storm of drifting snow (generally low).
k/S, heavy storm of drifting snow (generally low).
s$_o$/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze: the turbid atmosphere of dry weather.
h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus R, heavy rain. r$_o$, slight rain. rr, continuous rain.
<, less than (for cloud height).
⊕, Solar halo. ☾ lunar halo. ✓ gale.
With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions thus:—bc/r, fair weather after rain; —, has decreased; +, has increased.

### COLUMNS 9, 23.—FORM OF LOW CLOUD.

0 No low clouds.
1 Fair weather Cu.
2 Large Cu without anvil.
3 Cb.
4 Sc formed by the spreading out of Cu.
5 Layer of St or Sc.
6 Ragged low clouds of bad weather (or fractonimbus).
7 Fair weather Cu. and Sc.
8 Large-Cu (or Cb) and Sc.
9 Large-Cu (or Cb) and ragged low clouds of bad weather.

### COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4–6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries.
"tr" signifies a small amount of cloud (trace) covering less than 1/20 of the sky.
"9+" signifies an overcast sky with a few small openings.

### COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

0 No medium clouds.
1 Typical As (thin).
2 Typical As (thick) (sun or moon invisible), or Nimbostratus (Ns).
3 Single layer of Ac or high Sc.
4 Ac in isolated patches. Individually decreasing (often lenticular).
5 Ac in bands (increasing).
6 Ac formed from the spreading out of Cu.
7 Ac associated with As or As with parts resembling Ac.
8 Ac Castellatus (or Ac in ragged fragments).
9 Ac in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

### COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

0 No cirriform cloud.
1 Fine Ci not increasing: sparse.
2 Fine Ci not increasing: abundant but not a continuous layer.
3 Anvil Ci (usually dense).
4 Fine Ci increasing: usually in tufts.
5 Ci or Cs increasing: still below 45° altitude: often in polar bands.
6 Ci or Cs increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Cs covering whole sky.
8 Cs not increasing and not covering whole sky.
9 Cc predominating, and a little cirrus.
(Cc may occur with any of the types 1 to 8).

Cloud form abbreviations:—
Cirrus,–Ci: Cirrocumulus,–Cc: Cirrostratus,–Cs: Altocumulus,–Ac: Altostratus,–As
Stratocumulus,–Sc: Stratus,–St: Nimbostratus,–Ns: Cumulus,–Cu: Cumulonimbus,–Cb

### COLUMN 29.—STATE OF GROUND.

0 .. Ground dry.
1 .. „ wet.
2 .. „ flooded.
3 .. „ frozen hard and dry.
4 .. „ partly covered with snow or hail.
5 .. „ covered with ice or glazed frost.
6 .. Ground covered with thawing snow.
7 .. „ covered with snow, less than 6 ins., deep but ground not frozen.
8 .. „ covered with snow, less than 6 ins., but ground frozen.
9 .. „ covered with snow greater than 6 ins. deep.

NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

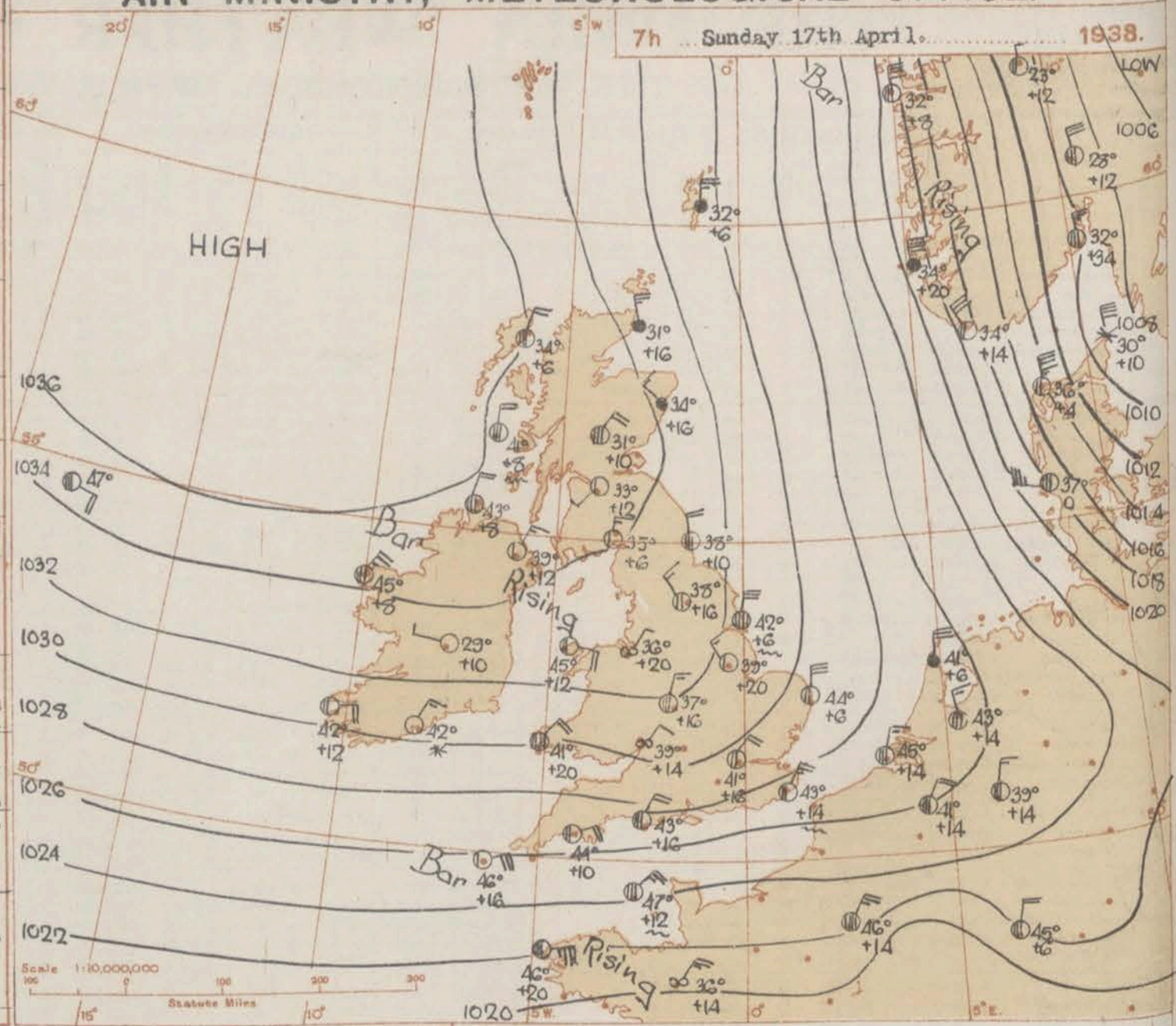
† Sea disturbance reported from Dungeness.

# AIR MINISTRY, METEOROLOGICAL OFFICE.

REPORTS from HEALTH RESORTS for 16th April 1938.

| Districts | Stations. | Weather. Forenoon. | Weather. Afternoon. | Temperature. (°F.) Min. 9h. 15th to 9h. 16th | Temperature. (°F.) Max. 9h.—17h. 16th | Rainfall. (mm.) Night. 17h. 15th to 9h. 16th | Rainfall. (mm.) Day. 9h.—17h. 16th | Sunshine. (Hrs.) Sunrise to 17h. 16th | Sunshine. (Hrs.) Sunrise to Sunset. 15th |
|---|---|---|---|---|---|---|---|---|---|
| 1 | Tunbridge W. | bcco | oc | 34 | 52 | - | - | 3·6 | 0·1 |
| | Bournemouth | bbc | bbc | 36 | 58 | - | - | 5·7 | 4·5 |
| | Ventnor ... | bc | b | 41 | 55 | - | - | 8·8 | 1·7 |
| | Southsea ... | bcb | bz | 39 | 58 | - | - | 6·5 | 1·6 |
| | Bognor Regis | bcbc | bcbc | 37 | 56 | - | - | 6·3 | 0·4 |
| | Littlehampton | bc | bc | 37 | 55 | - | - | 5·0 | 0·4 |
| | Worthing ... | bcbc | bc | 38 | 54 | - | - | 7·6 | 1·2 |
| | Brighton ... | bc | cbc | 38 | 54 | - | - | 3·9 | 0·4 |
| | Eastbourne† ... | bo | ocbc | 36 | 52 | - | - | 4·0 | 0·2 |
| | Hastings† ... | bcco | ocbc | 37 | 53 | - | - | 3·4 | 0·4 |
| | Folkestone ... | bbcco | oc | 40 | 51 | - | - | 3·1 | 0·7 |
| | Dover ... | coin. | oc | 40 | 50 | - | Tr. | 1·8 | 0·8 |
| | Deal ... ... | co | o | 43 | 49 | - | - | 1·0 | 0·3 |
| | Ramsgate ... | o | c | 44 | 48 | - | - | 1·1 | 1·5 |
| | Margate ... | c | cbcc | 44 | 49 | - | - | 2·7 | 2·0 |
| 2 | Southend ... | o | obbc | 35 | 52 | - | - | 3·3 | 0·0 |
| | Clacton-on-Sea | cbc | bc | 36 | 50 | - | - | 5·3 | 1·1 |
| | Dovercourt ... | bccoc | ocbc | 37 | 52 | - | - | 4·6 | 0·5 |
| | Lowestoft ... | cbcb | b | 34 | 52 | - | - | 6·3 | 7·0 |
| | Skegness ... | b | bcc | 35 | 52 | - | - | 9·2 | 3·1 |
| | Mablethorpe... | bc | obc | 30 | 51 | - | - | 6·8 | 2·7 |
| | Cleethorpes ... | cbc | bc | 36 | 57 | - | - | 8·2 | 3·3 |
| 3 | Leamington S. | bbc | bcc | 30 | 61 | - | - | 7·0 | 5·3 |
| 4 | Cheltenham† | bbc | bccy | 32 | 63 | - | - | 5·1 | 8·6 |
| 5 | Bath ... ... | bcb | bbcc | 34 | 61 | - | - | 8·0 | 7·7 |
| | Weymouth ... | cb | bbc | 41 | 56 | - | - | 7·3 | 6·1 |
| | Jersey ... | bcb | b | 46 | 56 | - | - | 10·1 | 0·0 |
| | Torquay ... | b | bbcy | 44 | 53 | - | - | 9·5 | 6·4 |
| | Falmouth | b | b | 44 | 54 | - | - | 8·9 | 8·9 |
| | Penzance ... | bcb | b | 44 | 58 | - | - | 8·9 | 7·5 |
| | St. Ives ... | b | b | 42 | 59 | - | - | 8·5 | 8·5 |
| | Bude... ... | bc | bcc | 38 | 59 | - | - | 6·0 | 10·4 |
| | Ilfracombe ... | bcc | cbcc | 41 | 54 | - | - | 2·0 | 10·4 |
| 6 | Aberystwyth | zbc | bcc | 38 | 58 | - | - | 8·9 | 8·8 |
| 7 | Llandudno ... | b | b | 38 | 53 | - | - | 8·7 | 10·9 |
| | Colwyn Bay... | | | | | | | | |
| | Rhyl .. ... | mbz. | bz.bc | 34 | 53 | - | - | 8·6 | 7·5 |
| 8 | Wallasey ... | cbc | bcbbc | 35 | 52 | - | - | 6·7 | 5·5 |
| | Southport ... | czbcz | bbcb | 35 | 55 | - | - | 7·4 | 6·7 |
| | Blackpool ... | cmbcb | b | 34 | 54 | - | - | 8·1 | 7·6 |
| | Morecambe ... | bcbbc | bbc | 37 | 58 | - | - | 10·7 | 8·7 |
| 9 | Ilkley... ... | b | cb | 34 | 59 | - | - | 8·9 | 6·6 |
| | Harrogate ... | b | bbc | 34 | 56 | - | - | 9·8 | 4·8 |
| 10 | Berwick-on-T. | cbcc | bc | 36 | 50 | - | - | 8·5 | 6·5 |
| 11 | Dunbar ... | cm. | bc | 39 | 55 | - | - | 6·8 | 8·5 |
| 12 | Troon... ... | bbcbc | bbcb | 36 | 54 | - | - | 8·2 | 11·8 |
| | Douglas ... | b | b | 42 | 53 | - | - | 10·7 | 11·1 |

† Max. Temp. for period 21h. yesterday to 17h. to-day: Min. Temp. 21h.-9h.




BAROMETER. Isobars are drawn for intervals of two millibars.
WIND, WEATHER SYMBOLS. For explanation see opposite page.
SEA DISTURBANCE. Rough. High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

| Districts. | FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 17th April, 1938. |
|---|---|
| 1 S.E. England<br>2 E. England ...<br>3 E. Midlands ...<br>4 W. Midlands ... | Moderate or fresh northeast winds; fair; rather cold, ground frost at night. |
| 5 S.W. England<br>6 South Wales ... | Strong easterly winds; fair; rather cold. |
| 7 North Wales ...<br>8 N.W. England<br>9 N. Midlands ... | Fresh northerly winds; mainly fair; rather cold, ground frost at night. |
| 10 N.E. England<br>11 S.E. Scotland<br>12 S.W. Scotland & Isle of Man.<br>13 A. W. Scotld. B. N.W. Scotland.<br>14 Mid Scotland | Moderate to fresh northerly winds; cloudy periods, local rain or hail showers, snow on high ground; rather cold, ground frost at night. |
| 15 N. E. Scotland<br>16 Orkney and Shetland | Strong northerly winds; mainly fair but local showers or sleet or hail; cold. |
| 17 N. W. Ireland<br>18 N. E. Ireland | As 7 - 9. |
| 19 S. E. Ireland<br>20 S. W. Ireland | As 5 - 6. |

H.M. Stationery Office Press, Kingsway, W.C.2

## GENERAL INFERENCE

An anticyclone off our northwest coasts will maintain winds between north and east with mainly fair, rather cold weather.

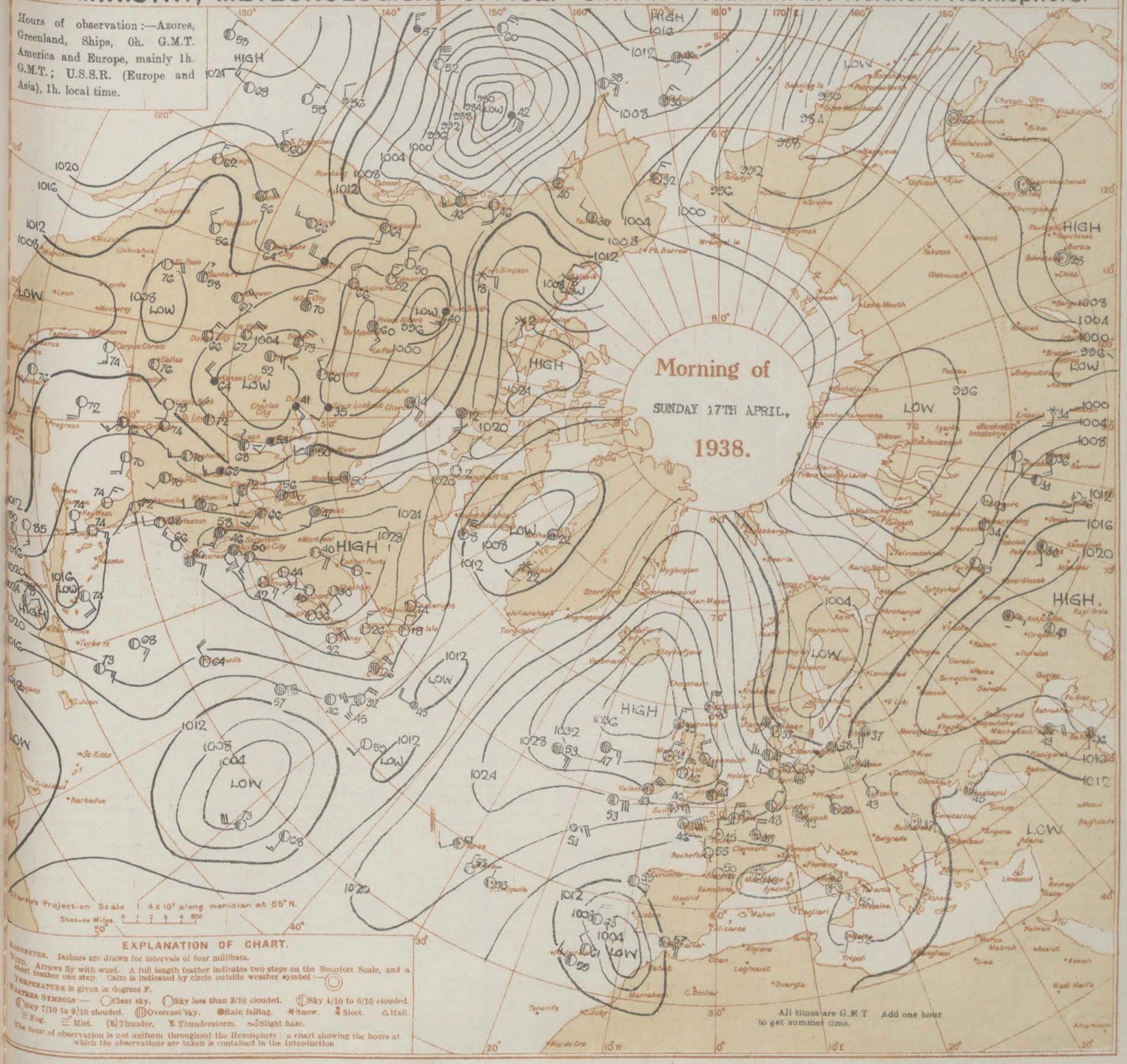
## FURTHER OUTLOOK.

Fair in the South and West; showers in the North and East.

Forecasts issued at 1000 G.M.T.

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S.,
Director.

# AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.




## EXPLANATION OF CHART.

BAROMETER. Isobars are drawn for intervals of four millibars.

WIND. Arrows fly with wind. A full length feather indicates two steps on the Beaufort Scale, and a short feather one step. Calm is indicated by circle outside weather symbol :—◎

TEMPERATURE is given in degrees F.

WEATHER SYMBOLS :— ○ Clear sky. ◐ Sky less than 3/10 clouded. ◑ Sky 4/10 to 6/10 clouded. ◕ Sky 7/10 to 9/10 clouded. ● Overcast sky. ● Rain falling. * Snow. Sleet. △ Hail. ≡ Fog. ≡ Mist. (Ξ) Thunder. Ξ Thunderstorm. ∞ Slight haze.

The hour of observation is not uniform throughout the Hemisphere; a chart showing the hours at which the observations are taken is contained in the Introduction

AIR MINISTRY.

# THE DAILY WEATHER REPORT

## OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION
Sunday 17th April, 1938.
No. 27905.

### OBSERVATIONS at 1 hr. G.M.T. 17th April

| District | Stations | Height above M.S.L. in feet | Barom. at M.S.L. mb. (1) | Change in 3 hours (2) | Wind Direc. (3) | Wind Force 0–12 (4) | Weather (5) | Temp. °F. (6) | Humid. % (7) | Visibility 0–9 (8) | Cloud Form Low (9) | Cloud Form Med. (10) | Cloud Form High (11) | Cloud Amount Low 0–10 (12) | Cloud Amount Total 0–10 (13) | Height of Base (feet) (14) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | London (Kew) | 18 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Croydon | 217 | 1027.2 | +2 | NE'E | 4 | c | 41 | 75 | 8 | 5 | - | - | 9+ | 9+ | 2500 |
| | S. Farnborough | 226 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Boscombe Down | 417 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Calshot (Sthmtn.) | 8 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Lympne | 346 | 1026.5 | +2 | NNE | 5 | c | 43 | 85 | 7 | 5 | - | - | 10 | 10 | 1500 |
| | Manston | 142 | 1026.8 | +4 | NE | 5 | q | 44 | 85 | 6 | 5 | - | - | 10 | 10 | 1800 |
| 2 | Shoeburyness | 11 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Felixstowe | 15 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Gorleston | 5 | 1028.5 | +6 | N'E | 5 | b | 43 | 75 | 7 | - | 4 | - | 0 | Tr | - |
| | Mildenhall | 19 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Cranwell | 240 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 3 | Birmingham | 535 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Upper Heyford | 408 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 4 | Ross-on-Wye | 223 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 5 | Bristol | 209 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Portland Bill | 32 | 1025.5 | +6 | E | 4 | c | 48 | 75 | 7 | 4 | 2 | - | 7.8 | 9 | 2500 |
| | Plymouth | 82 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | The Lizard | 240 | 1022.8 | +4 | ENE | 5 | bc | 47 | 92 | 7 | 4 | - | - | 2.3 | 2.3 | 2500 |
| | Scilly (St.Mary's) | 163 | 1024.2 | +10 | ENE | 5 | bc | 46 | 92 | 7 | - | 4 | - | 0 | 2.3 | - |
| | Guernsey | 175 | 1022.6 | +10 | NE | 5 | bc | 46 | 85 | 7 | 5 | - | - | 4-6 | 4-6 | 2500 |
| 6 | Pembroke | 142 | 1028.1 | +10 | ENE | 6 | q | 47 | 75 | 7 | 5 | 4 | - | 4-6 | 7-8 | 2500 |
| 7 | Holyhead | 26 | 1029.3 | +10 | NE | 4 | b | 46 | 75 | 6 | 8 | - | - | Tr | Tr | 2500 |
| | Chester (Sealand) | 16 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 8 | Manchester | 70 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 10 | Spurn Head | 29 | 1029.6 | +10 | NNE | 3 | c | 44 | 75 | 7 | 4 | - | - | 9+ | 9+ | 4000 |
| | Catterick | 175 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Tynemouth | 108 | 1031.2 | +8 | NW | 4 | bc | 41 | 75 | 7 | 2 | - | - | 4-6 | 4-6 | 1500 |
| 11 | St Abbs Head | 280 | 1030.6 | +2 | N | 6 | q | 40 | 55 | 8 | 4 | 4 | - | 2.3 | 4-6 | 2500 |
| | Leuchars | 36 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 12 | Renfrew (Abbots I.) | 19 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Eskdalemuir | 794 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Point of Ayre | 30 | 1031.0 | +8 | NE'E | 5 | b | 45 | 65 | 8 | - | - | 3 | 0 | Tr | - |
| 13A | Tiree | 22 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 13B | Stornoway | 80 | 1034.9 | +10 | NNE | 3 | c/phr | 35 | 85 | 8 | 8 | - | - | 7-8 | 7-8 | 1500 |
| 15 | Dalwhinnie | 1176 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Aberdeen | 79 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Wick | 81 | 1031.5 | +12 | NW | 8 | c | 34 | 85 | 8 | 8 | 7 | - | 4-6 | 7-8 | 1500 |
| 16 | Lerwick | 156 | 1028.8 | +18 | NNW | 6 | bc | 30 | 85 | 8 | 8 | - | - | 4-6 | 4-6 | 1500 |
| 17 | Blacksod Point | 18 | 1034.0 | +8 | NE | 5 | bc | 45 | 75 | 8 | - | 8 | - | 0 | 4-6 | - |
| 18 | Malin Head | 84 | 1034.4 | +4 | N'E | 4 | bc | 44 | 75 | 8 | 4 | 4 | - | 2.3 | 4-6 | 4000 |
| | Aldergrove | 268 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 19 | Birr Castle | 173 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 20 | Valentia Obsy. † | 30 | 1026.5 | +6 | NE | 6 | bc | 43 | 92 | 7 | - | - | 4 | 0 | 2-3 | - |
| | Roches Point | 22 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |

### OBSERVATIONS at 7 hr. G.M.T. 17th April

| Stations | Barom. at M.S.L. mb. (15) | Change in 3 hours (16) | Wind Direc. (17) | Wind Force 0–12 (18) | Weather (19) | Temp. °F. (20) | Humid. % (21) | Visibility 0–9 (22) | Cloud Form Low (23) | Cloud Form Med. (24) | Cloud Form High (25) | Cloud Amount Low 0–10 (26) | Cloud Amount Total 0–10 (27) | Height of Base (feet) (28) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| London (Kew) | 1029.9 | +16 | NE | 3 | $z_0$ | 42 | 65 | 6 | 5 | - | 1 | 2-3 | 4-6 | 2500 |
| Croydon | 1029.3 | +16 | NE'E | 4 | bc | 41 | 65 | 8 | 5 | 4 | 2 | 4-6 | 4-6 | 4000 |
| S. Farnborough | 1029.8 | +22 | NE | 4 | bc | 41 | 75 | 8 | 5 | - | 1 | 1 | 2-3 | 5700 |
| Boscombe Down | 1030.1 | +20 | NE | 4 | bc | 40 | 75 | 8 | 5 | - | 2 | 1 | 4-6 | 2500 |
| Calshot (Sthmtn.) | 1029.1 | +20 | NNE | 5 | $z_0$ | 42 | 75 | 8 | - | - | 4 | 0 | 2-3 | - |
| Lympne | 1028.6 | +14 | NNE | 5 | bc | 43 | 55 | 8 | 5 | - | 4 | 4-6 | 4-6 | 1500 |
| Manston | 1028.9 | +18 | NE'N | 4 | c | 43 | 65 | 8 | 5 | - | - | 9 | 9 | 2500 |
| Shoeburyness | 1029.5 | +12 | NNE | 4 | b | 43 | 65 | 7 | 5 | - | - | 1 | 1 | 4000 |
| Felixstowe | 1029.3 | +18 | N | 3 | c/pr | 41 | 75 | 8 | 8 | 3 | - | 4-6 | 7-8 | 2500 |
| Gorleston | 1028.7 | +6 | N | 6 | bc | 44 | 85 | 7 | 8 | - | - | 4-6 | 4-6 | 4000 |
| Mildenhall | 1030.2 | +10 | NNW | 4 | $pr_0$ | 39 | 92 | 8 | 8 | 3 | - | 7-8 | 9+ | 1500 |
| Cranwell | 1031.7 | +20 | NW'N | 3 | b | 39 | 75 | 7 | - | 3 | - | 0 | 1 | - |
| Birmingham | 1034.4 | +16 | NNE | 3 | c | 37 | 85 | 6 | 5 | 3 | - | 4-6 | 10 | 2500 |
| Upper Heyford | 1031.1 | +18 | NE | 3 | c | 37 | 85 | 7 | 5 | - | 7 | 9+ | 9+ | 2500 |
| Ross-on-Wye | 1031.3 | +14 | NE'E | 2 | $z_0$ | 39 | 75 | 6 | - | - | - | 0 | 0 | - |
| Bristol | 1030.7 | +20 | E'N | 3 | bc | 39 | 85 | 7 | - | - | 1 | 0 | 2-3 | - |
| Portland Bill | 1027.7 | +16 | NE | 4 | c | 43 | 75 | 7 | 4 | - | 1 | 4-6 | 7-8 | 2500 |
| Plymouth | 1026.7 | +10 | E'N | 4 | bc | 44 | 65 | 9 | - | 5 | 2 | 0 | 4-6 | - |
| The Lizard | 1025.7 | +12 | ENE | 6 | c | 45 | 75 | 8 | 8 | 6 | - | 7-8 | 7-8 | 1500 |
| Scilly (St.Mary's) | 1025.7 | +16 | ENE | 6 | b | 46 | 85 | 7 | - | - | 1 | 0 | Tr | - |
| Guernsey | 1024.6 | +12 | NE'E | 5 | c | 47 | 85 | 7 | 8 | - | - | 10 | 10 | 2500 |
| Pembroke | 1030.4 | +20 | NE'E | 4 | q | 41 | 75 | 8 | 7 | 4 | - | 2-3 | 4-6 | 4000 |
| Holyhead | 1031.7 | +12 | E'S | 4 | bc | 45 | 75 | 8 | 5 | - | - | 4-6 | 4-6 | 4000 |
| Chester (Sealand) | 1033.0 | +20 | NE | 1 | $z_0$ | 36 | 85 | 5 | 5 | - | - | 9+ | 9+ | 4000 |
| Manchester | 1032.6 | +20 | NE | 2 | c | 39 | 75 | 8 | 5 | - | - | 7-8 | 7-8 | 5700 |
| Spurn Head | 1030.7 | +6 | N'E | 6 | q | 42 | 65 | 7 | 8 | - | - | 7-8 | 7-8 | 2500 |
| Catterick | 1032.9 | +16 | NW | 3 | bc | 38 | 65 | 7 | 2 | 3 | - | 1 | 4-6 | 2500 |
| Tynemouth | 1032.4 | +10 | NNW | 4 | c/pr | 38 | 65 | 7 | 2 | - | - | 7-8 | 7-8 | 1500 |
| St Abbs Head | 1032.8 | +20 | N | 6 | $prs_0$ | 36 | 75 | 9 | 4 | 7 | - | 4-6 | 7-8 | 2500 |
| Leuchars | 1034.3 | +20 | N | 2 | bc/ps | 36 | 75 | 9 | 8 | 6 | - | 4-6 | 4-6 | 2500 |
| Renfrew (Abbots I.) | 1034.4 | +12 | SW | 1 | b | 33 | 85 | 9 | 5 | - | - | Tr | Tr | 4000 |
| Eskdalemuir | 1033.5 | +6 | N | 3 | b | 35 | 75 | 8 | 5 | - | - | Tr | Tr | 2500 |
| Point of Ayre | 1033.6 | +14 | E'N | 4 | b | 43 | 65 | 8 | - | 4 | - | 0 | 1 | - |
| Tiree | 1035.8 | +8 | N | 4 | c | 41 | 65 | 8 | 8 | - | - | 7-8 | 7-8 | 2500 |
| Stornoway | 1036.2 | +6 | NNE | 4 | c | 34 | 85 | 8 | 8 | 7 | - | 7-8 | 9+ | 4000 |
| Dalwhinnie | 1035.7 | +10 | NE | 4 | c | 31 | 85 | 7 | 3 | 6 | - | 7-8 | 10 | 2500 |
| Aberdeen | 1033.5 | +16 | NNW | 3 | ps | 34 | 75 | 8 | 8 | - | - | 7-8 | 7-8 | 1500 |
| Wick | 1033.8 | +16 | NNW | 5 | ps | 31 | 92 | 7 | 8 | 7 | - | 7-8 | 9 | 1500 |
| Lerwick | 1030.2 | +6 | NNW | 5 | ps | 32 | 85 | 7 | 8 | 7 | 6 | 2-3 | 7-8 | 1500 |
| Blacksod Point | 1034.6 | +8 | NE | 5 | c | 45 | 75 | 8 | 5 | - | - | 7-8 | 7-8 | 2500 |
| Malin Head | 1036.0 | +8 | NNE | 4 | c | 43 | 75 | 8 | 7 | - | - | 7-8 | 7-8 | 4000 |
| Aldergrove | 1034.9 | +12 | NE'N | 3 | b | 39 | 65 | 8 | 5 | - | - | 1 | 1 | 2500 |
| Birr Castle | 1033.4 | +10 | WNW | 1 | b | 29 | 97 | 8 | - | - | - | 0 | 0 | - |
| Valentia Obsy. † | 1030.7 | +12 | ENE | 4 | bc | 42 | 65 | 8 | 1 | - | 6 | 1 | 4-6 | 4000 |
| Roches Point | 1031.0 | + | NE | 3 | b | 42 | 85 | 8 | - | - | - | 0 | 0 | - |

### PAST 24 HOURS.

| Stations | State of Ground 0–9 (29) | Sea 0–9 (30) | Temperature Max. Day 7h–18h °F. (31) | Temperature Min. Night 18h–7h °F. (32) | Min. on Grass °F. (33) | Rainfall Day 7h–18h mm. (34) | Rainfall Night 18h–7h mm. (35) | Sunshine 16th Hrs. (36) |
|---|---|---|---|---|---|---|---|---|
| London (Kew) | 0 | * | 57 | 38 | 33 | - | - | 7.9 |
| Croydon | 0 | * | 54 | 37 | 31 | - | - | 3.6 |
| S. Farnborough | 0 | * | 55 | 36 | 29 | - | - | 4.5 |
| Boscombe Down | 0 | * | 58 | 30 | 26 | - | - | 4.0 (3.1) |
| Calshot (Sthmtn.) | 1 | §3 | 56 | 40 | 37 | - | - | 2.4 |
| Lympne | 0 | §5 | 48 | 37 | 34 | - | - | 3.1 |
| Manston | 0 | * | 50 | 40 | 37 | [illegible] (NTr) | - | [illegible] (19) |
| Shoeburyness | 0 | * | 50 | 36 | 29 | - | - | 3.6 |
| Felixstowe | 0 | 3 | 51 | 35 | 31 | - | Tr | 4.2 |
| Gorleston | 0 | 3 | 51 | 42 | 40 | - | Tr | 4.0 |
| Mildenhall | 0 | * | 58 | 32 | 24 | - | Tr | 9.3 |
| Cranwell | 0 | * | 60 | 34 | 29 | - | Tr | 8.8 |
| Birmingham | 0 | * | 57 | 35 | 28 | - | - | 6.4 |
| Upper Heyford | 0 | * | 59 | 33 | 29 | - | - | * |
| Ross-on-Wye | 0 | * | 60 | 33 | 21 | - | - | 9.8 |
| Bristol | 0 | * | 58 | 34 | 24 | - | - | 7.3 |
| Portland Bill | 0 | 4 | 51 | 40 | * | - | - | * |
| Plymouth | 0 | 2 | 57 | 43 | 31 | - | - | 9.1 |
| The Lizard | 0 | 3 | 52 | 44 | * | - | - | 8.8 |
| Scilly (St.Mary's) | 0 | 3 | 54 | 45 | * | - | - | [illegible] |
| Guernsey | 0 | 4 | 52 | 46 | 43 | - | | 11.5 |
| Pembroke | 0 | 2 | 55 | 39 | * | - | - | [illegible] |
| Holyhead | 0 | 2 | 51 | 42 | 38 | - | - | 11.2 |
| Chester (Sealand) | 0 | * | 54 | 28 | 21 | - | - | 6.3 |
| Manchester | 0 | * | 61 | 27 | 21 | - | - | 7.8 |
| Spurn Head | 0 | 4 | 57 | 39 | * | - | 0.3 | 9.0 |
| Catterick | 3 | * | 55 | 29 | 24 | - | - | 7.5 |
| Tynemouth | 1 | 3 | 49 | 36 | 33 | - | 0.1 | 11.2 |
| St Abbs Head | 0 | 3 | 50 | 34 | * | - | Tr | * |
| Leuchars | 0 | * | 54 | 33 | 23 | - | Tr | 11.5 |
| Renfrew (Abbots I.) | 0 | * | 55 | 26 | 20 | - | - | 12.1 |
| Eskdalemuir | 3 | * | 55 | 27 | 22 | - | - | 11.3 |
| Point of Ayre | 0 | 3 | 54 | 42 | * | - | - | 12.5 |
| Tiree | 0 | 5 | 49 | 39 | 38 | - | - | 10.9 |
| Stornoway | 7 | 2 | 46 | 31 | * | 0.2 | 0.6 | 8.7 |
| Dalwhinnie | 0 | * | 48 | 29 | 23 | - | Tr | 6.3 |
| Aberdeen | 4 | 2 | 5[illegible] | 32 | 30 | Tr | 1 | 8.8 |
| Wick | 4 | 3 | 46 | 30 | * | 1 | 1 | * |
| Lerwick | 4 | * | 45 | 28 | * | Tr | 0.4 | 6.7 |
| Blacksod Point | 0 | 3 | 53 | 44 | * | - | - | * |
| Malin Head | 0 | 3 | 49 | 41 | * | Tr | - | 10.2 |
| Aldergrove | 0 | * | 52 | 30 | 22 | Tr | - | 9.1 |
| Birr Castle | 0 | * | 54 | 28 | * | - | - | 6.8 |
| Valentia Obsy. † | 0 | 1 | 59 | 40 | 37 | - | - | 10.4 |
| Roches Point | 0 | 1 | 58 | 41 | * | - | - | * |

### LONDON OBSERVATIONS

Day 7h—18h, Kew & Croydon, 9h—18h, Kensington. 9h—21h, other stations except for rainfall which is 9h—18h.

| Station | Height above M.S.L. in feet | Weather Morning (24 hrs. ended 9h.) | Weather Afternoon | Weather Night | Temperature Day Max. °F. | Temperature Night Min. °F. | Min. on Grass °F. | Rainfall Day mm. | Rainfall Night mm. | Sunshine to Sunset hrs. (Yesterday) | Humidity 15h. G.M.T. % (Yesterday) | Humidity 9h. G.M.T. % (To-day) | Visibility 9h. (To-day) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kew | 18 | bc$z_0$y | bcyc$z_0$ | cbc$z_0$ | 57 | 38 | 33 | - | - | 7.9 | * | * | 6 |
| Croydon | 217 | cwbcc$z_0$ | bc$z_0$ ⊕ $z_0$ | [illegible] (cbawmbz?) | 54 | 37 | 31 | - | - | 3.6 | * | * | 6 |
| Greenwich (Royal Observatory) | 149 | c | c | bccbc | 55 | 37 | 30 | - | - | 4.6 | 61 | 56 | 7 |
| City (Bunhill Row) | — | * | * | * | * | * | * | * | * | 7.3 | * | * | * |
| Westminster (St. James' Park) | 87 | * | * | * | 57 | 39 | 33 | - | - | 7.3 | 59 | 66 | * |
| Regents Pk. (Botanic Gardens)‡ | 166 | * | * | * | 58 | 37 | 32 | — | — | 6.9 | 69 | 77 | * |
| Camden Square | 110 | b | bc | * | 61 | 37 | 30 | - | - | * | * | 47 | * |
| Kensington | 86 | b | bc | * | 58 | 38 | 31 | - | - | 8.0 | At 18h. 63 | 66 | * |
| Hampstead Observatory | 450 | bc | bc | bc | 56 | 35 | 31 | - | - | 9.7 | * | 83 | * |

**Atmospheric Pollution.** Milligrams of Solid Impurity per cubic metre. 24 hrs. ended 7h. G.M.T. 17th.

| South Kensington Max. | Time. | Min. | Time. |
|---|---|---|---|
| <0.3 whole period | | | |

| Kew Observatory Max. | Time. | Min. | Time. |
|---|---|---|---|
| 0.2 | 20h 16th | <0.1 | 5h 17th |

### FOREIGN OBSERVATIONS.

| Stations | 18h. G.M.T. 16th April Barom. mb. | Wind Direc. | Wind Force | Weather | Temp. °F. | 7h. G.M.T. 17th April Barom. mb. | Wind Direc. | Wind Force | Weather | Temp. °F. | Past 24 Hours Max. Day °F. | Min. Night °F. | Rainfall Day mm. | Rainfall Night mm. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Paris | 1019.4 | NNE | 3 | c | 64 | 1023.3 | NNE | 5 | o | 46 | 64 | 43 | – | – |
| Brussels | 1023.0 | NE | 3 | o | 48 | 1026.7 | NE | 4 | c | 41 | 48 | 39 | – | – |
| Berlin | 1017.3 | W | 2 | c | 48 | 1018.4 | NW | 5 | bc | 43 | 80 | 41 | – | – |
| Zürich | | | | | | 1017.8 | ENE | 3 | c | 43 | | 41 | | – |
| Rome | 1015.7 | NW | 2 | bc | 57 | 1016.6 | ENE | 1 | fg | 50 | * | * | – | – |

## EXPLANATION OF FIGURES, LETTERS, etc.

**COLUMNS 2, 16.**
The barometric tendency is expressed in tenths of a millibar.

**COLUMNS 4, 18.**
The Beaufort Scale of Wind is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers is the speed at about 30 feet above the ground.

| Beaufort No | Statute m/h. | Beaufort No. | Statute m/h. | Beaufort No. | Statute m/h. |
|---|---|---|---|---|---|
| 0 | <1 | 4 | 13–18 | 9 | 47–54 |
| 1 | 1–3 | 5 | 19–24 | 10 | 55–63 |
| 2 | 4–7 | 6 | 25–31 | 11 | 64–75 |
| 3 | 8–12 | 7 | 32–38 | 12 | > 75 |
| | | 8 | 39–46 | | |

**COLUMNS 34, 35.**
Tr. = rain has fallen, but amount less than 0·1 mm.

**COLUMNS 8, 22.—Code for surface visibility.**

Objects not visible at
- 0 Dense fog 55 yards.
- 1 Thick fog 220 ,,
- 2 Fog 550 ,,
- 3 Moderate fog 1,100 ,,
- 4 Mist or haze 1¼ miles.
- 5 Poor visibility 2½ ,,
- 6 Moderate ,, 6¼ ,,
- 7 Good ,, 12½ ,,
- 8 Very good ,, 31 ,,
- 9 Excellent ,, beyond 31m.

**COLUMN 30.—Code for State of Sea.**

- 0 Calm.
- 1 Smooth.
- 2 Slight.
- 3 Moderate.
- 4 Rough.
- 5 Very rough
- 6 High.
- 7 Very high
- 8 Precipitous
- 9 Confused.

TERMS OF SUBSCRIPTION. Single Copies, 1d. each: by post 1½d. 2/6 per month; 6/6 per quarter; 25/- per year.

METEOROLOGICAL OFFICE. AIR MINISTRY, ADASTRAL HOUSE, KINGSWAY, LONDON, W.C.2.

George C. Simpson, K.C.B., D.Sc., F.R.S., Director.

† 1 hr. observations are from Valentia W/T Station. ‡ Maximum and Minimum Temperatures are for the 24 hours ending 8 h. § Sea disturbance reported from Dungeness.

AIR MINISTRY.

# THE DAILY WEATHER REPORT

## OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Monday 18th April, 1938.
No. 27906.

### OBSERVATIONS at 13h. G.M.T. 17th April

| District | Stations. (For heights see p. 4.) | Barom. at M.S.L. mb. (1) | Change in 3 hours. (2) | Wind. Direc. (3) | Wind. Force 0–12 (4) | Weather. (5) | °Temp. F. (6) | % Humid. (7) | Visibility 0–9 (8) | Cloud. Form. Low (9) | Cloud. Form. Med. (10) | Cloud. Form. High (11) | Cloud. Amount. Low 0–10 (12) | Cloud. Amount. Total 0–10 (13) | Height of Base (feet) (14) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | London (Kew) | 1029.9 | −4 | NNE | 4 | c | 49 | 45 | 7 | 5 | – | – | 7-8 | 7-8 | 2500 |
| | Croydon ... | 1029.7 | −2 | ENE | 4 | bc | 49 | 45 | 6 | 4 | – | – | 4-6 | 4-6 | 4000 |
| | S. Farnborough | 1029.9 | −10 | NE/N | 4 | c | 50 | 45 | 8 | 5 | – | – | 9 | 9 | 4000 |
| | Boscombe Down | 1030.1 | −6 | NE | 4 | bc | 50 | 45 | 6 | 1 | – | – | 2-3 | 2-3 | 4000 |
| | Calshot (Sthmtn.) | 1029.4 | −2 | NNE | 4 | c | 51 | 45 | 7 | 5 | – | – | 7-8 | 7-8 | 2500 |
| | Lympne ... | 1029.7 | 0 | NE/N | 6 | c | 45 | 55 | 8 | 7 | 3 | – | 7-8 | 7-8 | 2500 |
| | Manston ... | 1030.2 | +2 | NE | 6 | c | 45 | 55 | 8 | 8 | 6 | – | 4-6 | 7-8 | 2500 |
| 2 | Shoeburyness ... | 1030.5 | +4 | NNE | 5 | c | 46 | 65 | 8 | 8 | – | – | 9 | 9 | 2500 |
| | Felixstowe ... | 1030.4 | +2 | NE/N | 4 | c/pr | 45 | 55 | 7 | 8 | – | – | 9 | 9 | 2500 |
| | Gorleston ... | 1030.8 | +2 | N/E | 5 | c | 46 | 55 | 7 | 7 | 4 | – | 4-6 | 7-8 | 4000 |
| | Mildenhall ... | 1031.3 | +2 | NNE | 4 | c | 47 | 45 | 8 | 8 | – | – | 9 | 9 | 2500 |
| | Cranwell ... | 1032.8 | +6 | NNE | 3 | c | 43 | 65 | 8 | 8 | – | – | 9+ | 9+ | 2500 |
| 3 | Birmingham ... | 1031.9 | 0 | NNE | 5 | c | 45 | 45 | 6 | 2 | – | – | 7-8 | 7-8 | 2500 |
| | Upper Heyford | 1031.1 | −2 | NE | 4 | c | 49 | 45 | 8 | 7 | – | – | 7-8 | 7-8 | 4000 |
| 4 | Ross-on-Wye | 1031.4 | 0 | NE | 4 | $z_o$ | 49 | 35 | 6 | 7 | – | – | 4-6 | 4-6 | 4000 |
| 5 | Bristol ... | 1030.7 | −4 | NE | 5 | bc | 50 | 55 | 8 | 4 | – | – | 4-6 | 4-6 | 4000 |
| | Portland Bill ... | 1028.5 | −2 | ENE | 4 | c | 50 | 65 | 7 | 4 | – | – | 7-8 | 7-8 | 2500 |
| | Plymouth ... | 1028.5 | +6 | ENE | 5 | b | 51 | 55 | 8 | 1 | 4 | – | Tr | Tr | 2500 |
| | The Lizard ... | 1027.5 | +6 | ENE | 7 | pr | 49 | 55 | 8 | 8 | – | 1 | 2-3 | 2-3 | 2500 |
| | Scilly (St. Mary's) | 1027.5 | +6 | E/N | 6 | bc | 52 | 55 | 8 | 1 | 4 | 4 | 1 | 4-6 | 4000 |
| | Guernsey ... | 1026.4 | +6 | NE/E | 6 | q | 49 | 55 | 7 | 8 | – | – | 7-8 | 7-8 | 2500 |
| 6 | Pembroke ... | 1031.2 | +16 | ENE | 3 | q | 55 | ~~55~~ | 8 | – | 4 | – | ~~2-3~~ | 2-3 | ~~4000~~ |
| 7 | Holyhead ... | 1033.7 | +10 | NE/E | 4 | bc | 46 | 65 | 8 | 1 | – | – | 4-6 | 4-6 | 4000 |
| | Chester (Sealand) | 1033.5 | −2 | NNE | 2 | bc | 50 | 45 | 7 | 7 | – | – | 4-6 | 4-6 | 4000 |
| 8 | Manchester ... | 1035.0 | −2 | NNE | 4 | bc | 48 | 45 | 8 | 7 | – | – | 4-6 | 4-6 | 5700 |
| 10 | Spurn Head ... | 1032.7 | +2 | N/E | 5 | c | 42 | 75 | 7 | 8 | – | – | 9+ | 9+ | 1500 |
| | Catterick ... | 1034.1 | +2 | N/E | 4 | c | 42 | 45 | 8 | 8 | – | 3 | 7-8 | 7-8 | 2500 |
| | Tynemouth ... | 1034.1 | +6 | N | 5 | c/pr | 40 | 65 | 8 | 9 | – | – | 7-8 | 7-8 | 800 |
| 11 | St. Abbs Head . | 1035.0 | +8 | N | 4 | c | 37 | 65 | 9 | 8 | 6 | – | 4-6 | 7-8 | 2500 |
| | Leuchars ... | 1035.4 | +2 | N | 3 | c | 41 | 55 | 9 | 8 | – | – | 9 | 9 | 4000 |
| 12 | Renfrew (Abbotsl.) | 1035.1 | 0 | NNE | 2 | bc | 47 | 45 | 9 | 1 | – | – | 4-6 | 4-6 | 4000 |
| | Eskdalemuir ... | 1034.8 | +2 | NE/N | 3 | c | 40 | 45 | 8 | 7 | – | – | 7-8 | 7-8 | 4000 |
| | Point of Ayre... | 1034.7 | 0 | E | 3 | b | 46 | 55 | 8 | 1 | – | – | Tr | Tr | 4000 |
| 13A | Tiree ... | 1037.1 | 0 | N/E | 4 | c | 42 | 55 | 8 | 4 | – | – | 7-8 | 7-8 | 4000 |
| 13B | Stornoway ... | 1037.3 | 0 | NNW | 4 | c | 40 | 55 | 9 | 5 | – | – | 10 | 10 | 4000 |
| 15 | Dalwhinnie ... | 1036.8 | +2 | N | 3 | c | 36 | 37 | 8 | 5 | 6 | – | 7-8 | 10 | 4000 |
| | Aberdeer ... | 1034.3 | +2 | NNW | 5 | c/ps | 40 | 45 | 8 | 6 | – | – | 7-8 | 7-8 | 1500 |
| | Wick ... | 1034.5 | 0 | N | 6 | c | 38 | 55 | 8 | 8 | 7 | – | 7-8 | 9+ | 1500 |
| 16 | Lerwick ... | 1031.0 | 0 | N | 6 | c/ps | 35 | 85 | 8 | 8 | 7 | – | 4-6 | 7-8 | 1500 |
| 17 | Blacksod Point | 1035.4 | +2 | NE | 5 | bc | 46 | 65 | 8 | 1 | – | – | 2-3 | 2-3 | 4000 |
| 18 | Malin Head ... | 1037.3 | +4 | NE | 3 | c | 43 | 65 | 8 | 7 | – | – | 9 | 9 | 4000 |
| | Aldergrove ... | 1035.4 | −2 | NE | 5 | bc | 47 | 45 | 9 | 5 | – | – | 4-6 | 4-6 | 2500 |
| 19 | Birr Castle ... | 1034.1 | −2 | NE | 3 | bc | 54 | 45 | 8 | 1 | – | – | 2-3 | 2-3 | 2500 |
| 20 | Valentia Obsy. † | 1034.4 | −2 | NE | 5 | b | 56 | 45 | 8 | 1 | – | – | 1 | 1 | 4000 |
| | Roches Point | 1032.1 | * | E/S | 4 | bc | 52 | 55 | 8 | 1 | 4 | – | 1 | 2-3 | 4000 |

### OBSERVATIONS at 18h. G.M.T. 17th April

| District | Stations. | Barom. at M.S.L. mb. (15) | Change in 3 hours. (16) | Wind. Direc. (17) | Wind. Force 0–12 (18) | Weather. (19) | °Temp. F. (20) | % Humid. (21) | Visibility 0–9 (22) | Cloud. Form. Low. (23) | Cloud. Form. Med. (24) | Cloud. Form. High. (25) | Cloud. Amount. Low 0–10 (26) | Cloud. Amount. Total 0–10 (27) | Height of Base (feet) (28) | State of Ground. 0–9 (29) | Sea. 0–9 (30) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | London (Kew) | 1030.5 | +6 | NNE | 4 | $z_o$ | 45 | 45 | 6 | 5 | – | – | 7-8 | 7-8 | 2500 | 0 | * |
| | Croydon ... | 1029.9 | +4 | NNE | 4 | c | 45 | 45 | 7 | 4 | – | – | 7-8 | 7-8 | 4000 | 0 | * |
| | S. Farnborough | 1030.4 | +10 | NE/N | 4 | c | 46 | 45 | 8 | 5 | – | – | 9+ | 9+ | 4000 | 0 | * |
| | Boscombe Down | 1030.3 | +6 | NE/N | 4 | bc | 46 | 45 | 8 | 4 | – | – | 2-3 | 2-3 | 5700 | 0 | * |
| | Calshot (Sthmtn.) | 1029.9 | +10 | ENE | 5 | u | 50 | 55 | 7 | 5 | – | – | 7-8 | 7-8 | 2500 | 0 | 3 |
| | Lympne ... | 1030.5 | +4 | NE/N | 6 | bc | 41 | 55 | 8 | 4 | – | – | 4-6 | 4-6 | 4000 | 0 | §4 |
| | Manston ... | 1030.6 | +4 | NE/N | 5 | c | 41 | 55 | 8 | 8 | 6 | – | 4-6 | 7-8 | 1500 | 0 | * |
| 2 | Shoeburyness ... | 1030.4 | +2 | N/E | 4 | bc | 41 | 65 | 8 | 8 | – | – | 2-3 | 2-3 | 2500 | 0 | * |
| | Felixstowe ... | 1031.1 | +8 | N | 4 | c | 42 | 55 | 8 | 8 | – | – | 9+ | 9+ | 2500 | 0 | 3 |
| | Gorleston ... | 1031.0 | 0 | NW/N | 5 | c | 43 | 55 | 6 | 8 | – | – | 7-8 | 7-8 | 2500 | 0 | 3 |
| | Mildenhall ... | 1031.8 | +4 | N | 5 | c | 42 | 55 | 9 | 8 | 4 | – | 4-6 | 7-8 | 2500 | 0 | * |
| | Cranwell ... | 1033.0 | +10 | N | 4 | c | 41 | 45 | 8 | 8 | 3 | – | 4-6 | 9 | 2500 | 0 | * |
| 3 | Birmingham ... | 1031.9 | +4 | ENE | 3 | bc | 44 | 55 | 6 | 7 | – | – | 2-3 | 2-3 | 4000 | 0 | * |
| | Upper Heyford | 1031.8 | +6 | NE | 3 | c | 42 | 65 | 9 | 4 | – | – | 9 | 9 | 4000 | 0 | * |
| 4 | Ross-on-Wye | 1031.5 | 0 | E/N | 3 | $z_o$ | 45 | 45 | 6 | – | – | – | 0 | 0 | – | 0 | * |
| 5 | Bristol ... | 1030.6 | +2 | ENE | 5 | bc | 48 | 55 | 8 | 4 | – | – | 2-3 | 2-3 | 4000 | 0 | * |
| | Portland Bill ... | 1028.8 | +4 | NE | 5 | bc | 49 | 85 | 7 | 4 | – | – | 2-3 | 2-3 | 2500 | 0 | 4 |
| | Plymouth ... | 1028.0 | +2 | NE | 4 | b | 52 | 45 | 8 | 4 | – | – | 0 | 0 | – | 0 | 1 |
| | The Lizard ... | 1027.8 | +2 | E | 5 | b | 49 | 65 | 8 | – | – | – | 0 | 0 | – | 0 | 3 |
| | Scilly (St. Mary's) | 1028.0 | +2 | E/N | 4 | bc | 49 | 75 | 7 | 7 | – | – | 4-6 | 4-6 | 4000 | 0 | 3 |
| | Guernsey ... | 1026.7 | 0 | NE/E | 5 | b | 46 | 65 | 8 | 1 | – | – | 1 | 1 | 2500 | 0 | 5 |
| 6 | Pembroke ... | 1030.5 | −2 | N/E | 5 | q | 50 | 55 | 8 | – | – | – | 0 | 0 | – | 0 | 1 |
| 7 | Holyhead ... | 1033.3 | −2 | NE/N | 4 | b | 45 | 55 | 9 | 5 | 1 – | – | Tr | Tr | 4000 | 0 | 2 |
| | Chester (Sealand) | 1033.2 | +2 | NE | 3 | $z_o$ | 46 | 45 | 6 | 5 | – | – | 9 | 9 | 4000 | 0 | * |
| 8 | Manchester ... | 1033.1 | +8 | NE | 4 | bc | 44 | 45 | 7 | 7 | – | – | 2-3 | 2-3 | 5700 | 0 | * |
| 10 | Spurn Head ... | 1032.4 | 0 | N | 5 | c/pr | 40 | 75 | 8 | 3 | 6 | r | 4-6 | 7-8 | 450 | 1 | 3 |
| | Catterick ... | 1034.1 | 0 | NNE | 2 | c | 40 | 45 | 8 | 5 | – | – | 7-8 | 7-8 | 4000 | 0 | * |
| | Tynemouth ... | 1033.1 | −4 | N | 5 | c | 41 | 55 | 8 | 2 | – | – | 7-8 | 7-8 | 1500 | 0 | 3 |
| 11 | St. Abbs Head . | 1034.5 | −4 | N | 6 | q | 39 | 65 | 9 | 3 | 6 | 9 | 2-3 | 7-8 | 1500 | 0 | 4 |
| | Leuchars ... | 1034.8 | +2 | N | 2 | c | 41 | 55 | 9 | 8 | – | – | 7-8 | 7-8 | 4000 | 0 | * |
| 12 | Renfrew (Abbotsl.) | 1034.3 | −4 | NNE | 1 | bc | 47 | 45 | 9 | 1 | – | – | 4-6 | 4-6 | 4000 | 0 | * |
| | Eskdalemuir ... | 1034.3 | 0 | NNE | 3 | bc | 40 | 45 | 8 | 7 | – | – | 2-3 | 2-3 | 4000 | 0 | * |
| | Point of Ayre... | 1034.4 | −2 | – | 0 | b | 45 | 55 | 8 | – | – | 1 | 0 | Tr | – | 0 | 1 |
| 13A | Tiree ... | 1036.6 | −2 | N | 4 | bc | 42 | 65 | 8 | 8 | – | – | 4-6 | 4-6 | 4000 | 0 | 4 |
| 13B | Stornoway ... | 1036.9 | −2 | NNW | 4 | c | 41 | 55 | 9 | 5 | – | – | 7-8 | 7-8 | 4000 | 1 | 2 |
| 15 | Dalwhinnie ... | 1036.4 | −4 | N | 4 | c | 36 | 55 | 8 | 5 | 6 | – | 7-8 | 9 | 4000 | 0 | * |
| | Aberdeer ... | 1033.8 | −2 | NNW | 5 | c/p | 39 | 55 | 8 | 8 | – | – | 9+ | 9+ | 1500 | 0 | 2 |
| | Wick ... | 1033.3 | −6 | WNW | 4 | c | 39 | 65 | 8 | 8 | 7 | – | 4-6 | 7-8 | 1500 | 1 | 2 |
| 16 | Lerwick ... | 1031.1 | 0 | N | 5 | c/ps | 35 | 92 | 8 | 8 | 7 | – | 4-6 | 9 | 1500 | 1 | * |
| 17 | Blacksod Point | 1035.0 | −2 | NE | 5 | b | 47 | 75 | 9 | – | – | – | 0 | 0 | – | 0 | 4 |
| 18 | Malin Head ... | 1037.0 | −6 | NE | 4 | bc | 43 | 75 | 8 | – | 4 | 6 | 0 | 4-6 | – | 0 | 3 |
| | Aldergrove ... | 1034.7 | −4 | ENE | 3 | b | 44 | 55 | 9 | 5 | – | – | 1 | 1 | 2500 | 0 | * |
| 19 | Birr Castle ... | 1033.2 | −2 | NE | 1 | b | 52 | 56 | 7 | 1 | – | – | 1 | 1 | 4000 | 0 | * |
| 20 | Valentia Obsy. † | 1031.3 | −2 | NE/E | 4 | b | 50 | 45 | 7 | 1 | – | 1 | Tr | 1 | 4000 | 0 | 1 |
| | Roches Point | 1031.8 | * | E | 4 | b | 50 | 65 | 8 | – | – | – | 0 | 0 | – | 0 | 2 |

### PAST 24 HOURS.

| District | Stations. | Weather 7h.—13h. 17th. (37) | Weather 13h.—18h. 17th. (38) | Weather 18h. 17th to 1h. 18th. (39) | Weather 1h.—7h. 18th. (40) |
|---|---|---|---|---|---|
| 1 | London (Kew) | cpr.z.bc | bcz.y | bczyb | bcz. |
| | Croydon ... | bccyz.y | bcz.cy | bczby | bcxb |
| | S. Farnborough | bbccy | bccy | cb.c | cb.cbx |
| | Boscombe Down | bccbc | bcbbcy | bcyb | bbcx |
| | Calshot (Sthmtn.) | cy | bccuy | bcyb | b |
| | Lympne ... | bccpr.y | bcy | bccyb | bx |
| | Manston ... | cbcpr.y | bcqpr.y | cqyc | cbbc |
| 2 | Shoeburyness ... | cyc | cbc | bcbx | bxb |
| | Felixstowe ... | cpr.bccy | cy | cy.b | bxbc |
| | Gorleston ... | bccpr.y | cprh. | cprh.q | bcpsh. |
| | Mildenhall ... | cbr.bcvy | cbcvy | cbcvy | cr.c |
| | Cranwell ... | cyphr. | c | cyc | c |
| 3 | Birmingham ... | cbbc | bc | bbc | bcb |
| | Upper Heyford | bcbcy | bcy | cb | bccz. |
| 4 | Ross-on-Wye | bcyz.cy | bcyz. | b | bx |
| 5 | Bristol ... | bcchc | bcby | byb | bm.x |
| | Portland Bill ... | c | c | bcb | bbc |
| | Plymouth ... | bcvyby | byv | byv | b |
| | The Lizard ... | cbcyq | bcb | bbcq | bc |
| | Scilly (St. Mary's) | bbcy | bccbc | bcb | b |
| | Guernsey ... | cqbc | cqbcb | bbccq | c |
| 6 | Pembroke ... | bcqy | bcqyb | b | bbc |
| 7 | Holyhead ... | bcbbc | bcby | byz. | bz. |
| | Chester (Sealand) | cm.zy | bcyz. | cybm.x | bwm.xbcb |
| 8 | Manchester ... | bcy | bc | bcybz. | bm.x |
| 10 | Spurn Head ... | cpq | cpq | cprqh | psqhc |
| | Catterick ... | bbcc | cybcy | bcy | cbcc |
| | Tynemouth ... | cprs | c | cprsc | c |
| 11 | St. Abbs Head . | cpbc | cq | bcqc | cqc |
| | Leuchars ... | bsh.w | cbcyv | bc | bcc |
| 12 | Renfrew (Abbotsl.) | bbcyv | bcyv | bc | bcbx |
| | Eskdalemuir ... | ps.bcy | bcy | bybx | bbcx |
| | Point of Ayre... | b | b | bbcb | b |
| 13A | Tiree ... | c | cbc | bc | bcc |
| 13B | Stornoway ... | cy | cy | c | cpr |
| 15 | Dalwhinnie ... | cbs | c | * | c |
| | Aberdeer ... | bcbs. | qph.cy | ps.bcc | cbc |
| | Wick ... | phs.y | c | c | pr.c |
| 16 | Lerwick ... | cps | cps | cps | cpr |
| 17 | Blacksod Point | bcq | bcq | bcq | bcq |
| 18 | Malin Head ... | cy | cbc | bc | bc |
| | Aldergrove ... | bybcy | bcyby | bybx | bx |
| 19 | Birr Castle ... | bbc | bcb | b | b |
| 20 | Valentia Obsy. † | bcby | by | byb | bbxb |
| | Roches Point | bbcy | bcyab | b.bc | bc |

## EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

### COLUMNS 5, 19, 37, 38, 39, 40—BEAUFORT NOTATION AND SYMBOLS FOR WEATHER.

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog „ less than 220 yds.
fs, low fog over sea (coast station).
fg, low fog over land (inland station).
m, mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jf, fog at a distance, but not at station.
jp, precipitation within sight of station.
ks, storm of drifting snow.
$k/s_o$, slight storm of drifting snow (generally low).
k/S, heavy storm of drifting snow (generally low).
$s_o/k$, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze: the turbid atmosphere of dry weather.
h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus R, heavy rain. $r_o$, slight rain. rr, continuous rain.
<, less than (for cloud height).
⊕, Solar halo. ◑ lunar halo. ⚡ gale.
With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions thus:—bc/r, fair weather after rain; —, has decreased; +, has increased.

### COLUMNS 9, 23.—FORM OF LOW CLOUD.

0 No low clouds.
1 Fair weather Cu.
2 Large Cu without anvil.
3 Cb.
4 Sc formed by the spreading out of Cu.
5 Layer of St or Sc.
6 Ragged low clouds of bad weather (or fractonimbus).
7 Fair weather Cu. and Sc.
8 Large Cu (or Cb) and Sc.
9 Large Cu (or Cb) and ragged low clouds of bad weather.

### COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4–6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries. "tr" signifies a small amount of cloud (trace) covering less than 1/20 of the sky. "9+" signifies an overcast sky with a few small openings.

### COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

0 No medium clouds.
1 Typical As (thin).
2 Typical As (thick) (sun or moon invisible), or Nimbostratus (Ns).
3 Single layer of Ac or high Sc.
4 Ac in isolated patches. Individually decreasing (often lenticular).
5 Ac in bands (increasing).
6 Ac formed from the spreading out of Cu.
7 Ac associated with Az or As with parts resembling Ac.
8 Ac Castellatus (or Ac in ragged fragments).
9 Ac in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

### COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

0 No cirriform cloud.
1 Fine Ci not increasing: sparse.
2 Fine Ci not increasing: abundant but not a continuous layer.
3 Anvil Ci (usually dense).
4 Fine Ci increasing: usually in tufts.
5 Ci or Cs increasing: still below 45° altitude: often in polar bands.
6 Ci or Cs increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Cs covering whole sky.
8 Cs not increasing and not covering whole sky.
9 Cc predominating, and a little cirrus.
(Cc may occur with any of the types 1 to 8).

Cloud form abbreviations:—
Cirrus,—Ci: Cirrocumulus,—Cc: Cirrostratus,—Cs: Altocumulus,—Ac: Altostratus,—As: Stratocumulus,—Sc: Stratus,—St: Nimbostratus,—Ns: Cumulus,—Cu: Cumulonimbus,—Cb

### COLUMN 29.—STATE OF GROUND.

0 .. Ground dry.
1 .. „ wet.
2 .. „ flooded.
3 .. „ frozen hard and dry.
4 .. „ partly covered with snow or hail.
5 .. „ covered with ice or glazed frost.
6 .. Ground covered with thawing snow.
7 .. „ covered with snow, less than 6 ins., deep but ground not frozen.
8 .. „ covered with snow, less than 6 ins., but ground frozen.
9 .. „ covered with snow greater than 6 ins. deep.

NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

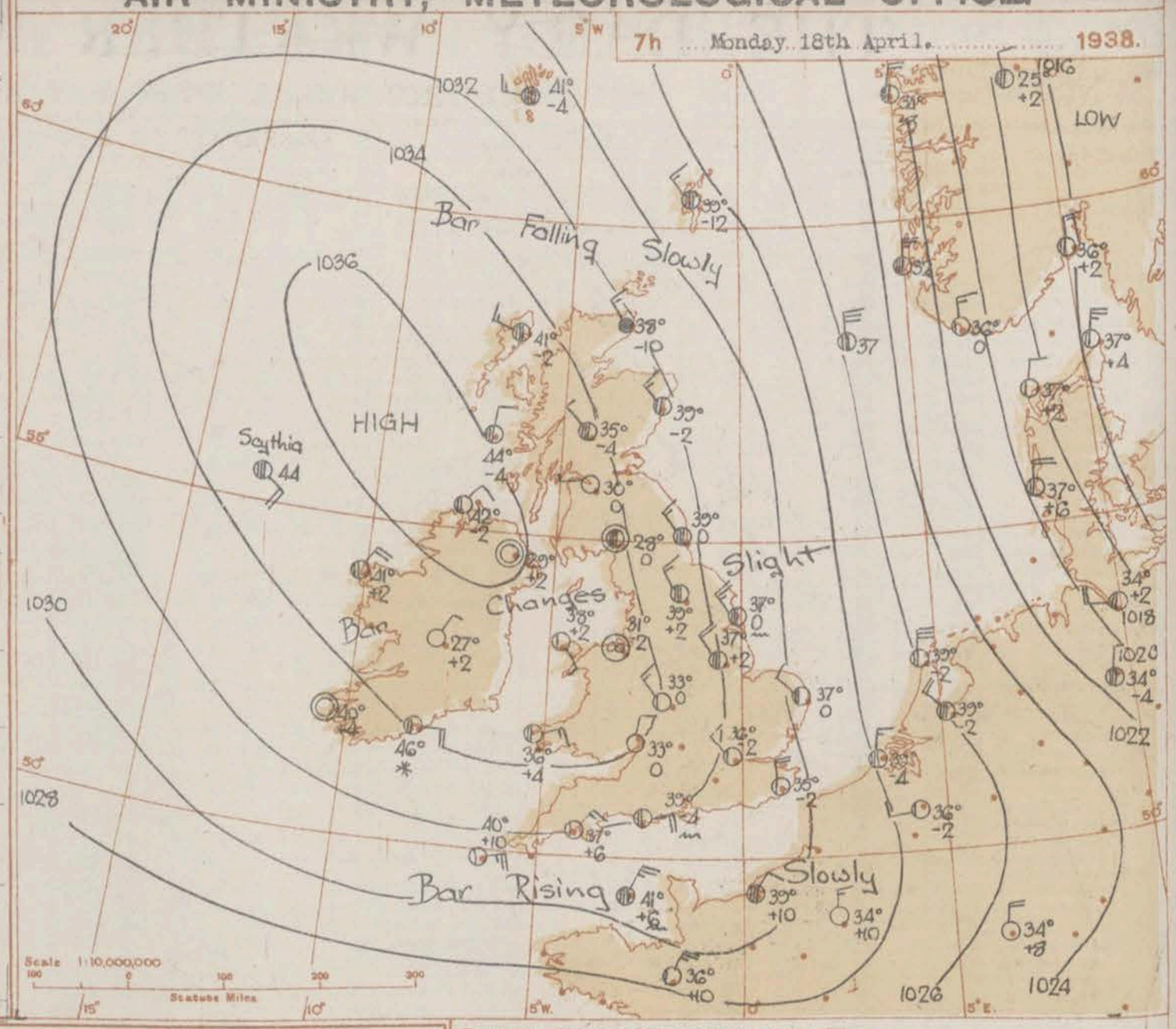
† Sea disturbance reported from Dungeness.

REPORTS from HEALTH RESORTS for 17th April 1938.

| Districts. | Stations. | Weather. Forenoon. | Weather. Afternoon. | Temperature (°F.) Min. 9h. 16th to 9h. 17th | Temperature (°F.) Max. 9h.—17h. 17th | Rainfall (mm.) Night. 17h. 16th to 9h. 17th | Rainfall (mm.) Day. 9h.—17h. 17th | Sunshine (Hrs.) Sunrise to 17h. 17th | Sunshine (Hrs.) Sunrise to Sunset 16th |
|---|---|---|---|---|---|---|---|---|---|
| 1 | Tunbridge W. | bcc | bc | 35 | 50 | — | — | 6.6 | 3.6 |
| | Bournemouth | b | b | 37 | 55 | — | — | 11.3 | 5.7 |
| | Ventnor ... | b | bcb | 41 | 52 | — | — | 10.5 | 9.5 |
| | Southsea ... | b | b | 40 | 54 | — | — | 10.2 | 6.9 |
| | Bognor Regis | bc | bc | 38 | 54 | — | — | 9.6 | 6.5 |
| | Littlehampton | bc | bc | 39 | 54 | — | — | 9.9 | 5.0 |
| | Worthing ... | b | bcbbc | 39 | 52 | — | — | 9.1 | 7.8 |
| | Brighton ... | bc | bc | 40 | 53 | — | — | 7.9 | 4.1 |
| | Eastbourne† ... | by | byby | 39 | 52 | — | — | 5.9 | 4.1 |
| | Hastings† ... | cbc | bcbcy | 39 | 51 | — | — | 7.2 | 3.4 |
| | Folkestone ... | bcgc | gbcb | 40 | 49 | — | Trace | 6.7 | 3.1 |
| | Dover ... | ybc | pbcby | 42 | 50 | Trace | Trace | 7.3 | 2.6 |
| | Deal ... ... | bc | bc | 42 | 50 | — | — | 7.7 | 1.0 |
| | Ramsgate ... | bc | bc | 43 | 48 | — | — | 8.4 | 1.1 |
| | Margate ... | cpbc | pbc | 43 | 46 | — | Trace | 6.6 | 2.7 |
| 2 | Southend ... | cbc | cbc | 38 | 50 | — | — | 5.5 | 3.3 |
| | Clacton-on-Sea | cbc | bcpc | 37 | 48 | — | Trace | 4.6 | 6.2 |
| | Dovercourt ... | bc | bc | 40 | 47 | — | — | 4.2 | 5.5 |
| | Lowestoft ... | cbcb | bccpr | 40 | 50 | Trace | Trace | 5.3 | 6.5 |
| | Skegness ... | bcpbc | phrbc | 37 | 45 | Trace | Trace | 4.0 | 9.5 |
| | Mablethorpe... | cbcdc | bc | 40 | 45 | — | Trace | 5.4 | 7.7 |
| | Cleethorpes ... | bcgbc | bcgc | 39 | 43 | Trace | 0.5 | 4.3 | 9.6 |
| 3 | Leamington S. | bcc | bc | 34 | 51 | — | — | 8.0 | 7.0 |
| 4 | Cheltenham† | bcb | bbc | 35 | 55 | — | — | 10.6 | 5.1 |
| 5 | Bath ... ... | bcb | bcb | 35 | 52 | — | — | 10.6 | 8.0 |
| | Weymouth ... | b | b | 40 | 53 | — | — | 11.4 | 7.3 |
| | Jersey ... | cbc | bcb | 46 | 52 | — | — | 6.7 | 11.5 |
| | Torquay ... | byq | bbqy | 43 | 54 | — | — | 11.2 | 9.7 |
| | Falmouth | b | b | 43 | 53 | — | — | 10.9 | 9.8 |
| | Penzance ... | b | b | 44 | 54 | — | — | 10.7 | 10.0 |
| | St. Ives ... | b | b | 42 | 60 | — | — | 12.1 | 8.7 |
| | Bude... ... | bcb | b | 42 | 54 | — | — | 11.3 | 6.0 |
| | Ilfracombe ... | cbc | bcb | 42 | 51 | — | — | 11.0 | 2.0 |
| 6 | Aberystwyth | cbc | bc | 39 | 54 | — | — | 11.1 | 10.3 |
| 7 | Llandudno ... | bbc | bcb | 35 | 48 | — | — | 9.1 | 9.0 |
| | Colwyn Bay... | bcb | bcb | 34 | 54 | — | — | 9.1 | * |
| | Rhyl ... ... | bczo | b | 35 | 45 | — | — | 9.5 | 8.9 |
| 8 | Wallasey ... | bccbc | bcc | 35 | 51 | — | — | 7.9 | 7.7 |
| | Southport ... | bc | bc | 34 | 56 | — | — | 7.3 | 7.7 |
| | Blackpool ... | cbcb | b | 32 | 49 | — | — | 8.3 | 8.8 |
| | Morecambe ... | b | b | 37 | 49 | — | — | 10.0 | 10.9 |
| 9 | Ilkley... ... | b | b | 29 | 44 | — | — | 7.8 | 10.2 |
| | Harrogate ... | bbc | bbcc | 38 | 44 | — | — | 9.1 | 9.5 |
| 10 | Berwick-on-T. | bcchc | cbcc | 35 | 43 | Trace | Trace | 6.3 | 5.5 |
| 11 | Dunbar ... | bc | bc | 36 | 45 | — | — | 6.4 | 8.0 |
| 12 | Troon... ... | pbcb | cbbcb | 32 | 46 | — | — | 9.5 | 10.4 |
| | Douglas ... | b | b | 40 | 46 | — | — | 10.5 | 12.3 |

† Max. Temp. for period 21h. yesterday to 17h. to-day: Min. Temp. 21h.–9h.

# AIR MINISTRY, METEOROLOGICAL OFFICE.




BAROMETER. Isobars are drawn for intervals of two millibars.
WIND, WEATHER SYMBOLS. For explanation see opposite page.
SEA DISTURBANCE. Rough. High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

| Districts. | FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 18th April, 1938. |
|---|---|
| 1 S.E. England<br>2 E. England ...<br>3 E. Midlands ... | Light northwest to north winds; fair, bright periods; temprature rather low by day, ground frost inland at night. |
| 4 W. Midlands ...<br>5 S.W. England<br>6 South Wales ... | Light or moderate southeast to east winds; fine; average day temperature, night frost. |
| 7 North Wales ...<br>8 N.W. England<br>9 N. Midlands ... | Light variable winds; fine; average day temperature, night frost. |
| 10 N.E. England<br>11 S.E. Scotland | Light northwest winds; bright periods, light local showers; rather cold by day, night frost. |
| 12 S.W. Scotland & Isle of Man. | As 7 - 9. |
| 13 A. W. Scotld. B. N.W. Scotland. | Light northwest to west winds; cloudy periods, local rain or showers; less cold. |
| 14 Mid Scotland<br>15 N. E. Scotland<br>16 Orkney and Shetland | |
| 17 N. W. Ireland<br>18 N. E. Ireland | As 7 - 9. |
| 19 S. E. Ireland<br>20 S. W. Ireland | As 4 - 6. |

H.M. Stationery Office Press, Kingsway W.C.2

## GENERAL INFERENCE.

An anticyclone centred northwest of Ireland is stationary. Weather will be fair generally and mainly bright in the West, but in the North and Northeast there will be local showers. It will be less cold by day but with night frost.

## FURTHER OUTLOOK.

Little change.

Forecasts issued at 0930 G.M.T.

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S., Director.

# AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

AIR MINISTRY.

# THE DAILY WEATHER REPORT

## OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Monday 18th April, 1938.
No. 27906.

### OBSERVATIONS at 1 hr. G.M.T. 18th April

| District | Stations | Height above M.S.L. in feet | Barom. at M.S.L. mb. (1) | Change in 3 hours (2) | Wind Direc. (3) | Wind Force 0–12 (4) | Weather (5) | Temp. °F. (6) | Humid. % (7) | Visibility 0–9 (8) | Cloud Form Low (9) | Cloud Form Med. (10) | Cloud Form High (11) | Cloud Amount Low 0–10 (12) | Cloud Amount Total 0–10 (13) | Height of Base (feet) (14) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | London (Kew) | 18 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Croydon ... | 217 | 1032·2 | −2 | NNE | 2 | b | 35 | 75 | 8 | – | 4 | – | 0 | 1 | – |
| | S. Farnborough | 226 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Boscombe Down | 417 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Calshot (Sthmtn.) | 8 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Lympne ... | 348 | 1031·8 | +2 | N | 3 | bc | 33 | 75 | 9 | 5 | – | – | 2-3 | 2-3 | 4000 |
| | Manston ... | 142 | 1031·3 | +2 | N'E | 4 | c | 38 | 65 | 8 | 5 | – | – | 7-8 | 7-8 | 4000 |
| 2 | Shoeburyness... | 11 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Felixstowe ... | 15 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Gorleston ... | 5 | 1031·2 | −4 | NW'N | 4 | bc | 35 | 65 | 8 | 8 | – | – | 4-6 | 4-6 | 2500 |
| | Mildenhall ... | 19 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Cranwell ... | 240 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 3 | Birmingham ... | 535 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Upper Heyford | 408 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 4 | Ross-on-Wye | 223 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 5 | Bristol ... | 209 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Portland Bill ... | 32 | 1032·4 | +6 | ENE | 5 | b | 40 | 55 | 8 | – | – | – | 0 | 0 | – |
| | Plymouth ... | 82 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | The Lizard ... | 240 | 1030·3 | +10 | E'N | 6 | q | 44 | 75 | 8 | 7 | – | – | 2-3 | 2-3 | 4000 |
| | Scilly (St. Mary's) | 163 | 1030·3 | +6 | E'N | 5 | b | 44 | 65 | 8 | 7 | – | – | 1 | 1 | 4000 |
| | Guernsey ... | 175 | 1030·1 | +6 | NE'N | 5 | q | 43 | 55 | 8 | 8 | – | – | 10 | 10 | 2500 |
| 6 | Pembroke ... | 142 | 1033·9 | +16 | ENE | 4 | b | 40 | 75 | 8 | – | – | – | 0 | 0 | – |
| 7 | Holyhead ... | 26 | 1035·3 | +10 | SE'E | 2 | b | 39 | 65 | 6 | – | – | – | 0 | 0 | – |
| | Chester (Sealand) | 16 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 8 | Manchester ... | 70 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 10 | Spurn Head ... | 29 | 1031·6 | 0 | N | 5 | pr | 39 | 85 | 7 | 8 | – | – | 9 | 9 | 450 |
| | Catterick ... | 175 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Tynemouth ... | 108 | 1033·5 | −4 | NW | 3 | c | 38 | 55 | 7 | 5 | – | – | 9 | 9 | 800 |
| 11 | St. Abb's Head .. | 260 | 1032·7 | −4 | N | 6 | q | 40 | 65 | 8 | 4 | 7 | – | 2-3 | 7-8 | 2500 |
| | Leuchars ... | 36 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 12 | Renfrew (Abbots I.) | 19 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Eskdalemuir ... | 794 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Point of Ayre... | 30 | 1035·8 | +4 | E'N | 1 | b | 40 | 55 | 8 | – | 4 | – | 0 | 1 | – |
| 13A | Tiree ... | 22 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 13B | Stornoway ... | 80 | 1036·6 | −2 | NNW | 2 | c | 40 | 85 | 8 | 5 | 2 | – | 4-6 | 10 | 2500 |
| 15 | Dalwhinnie ... | 1176 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Aberdeen ... | 79 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Wick ... | 81 | 1034·1 | +2 | NNW | 4 | c | 39 | 65 | 8 | 8 | 1 | – | 4-6 | 7-8 | 1500 |
| 16 | Lerwick ... | 156 | 1031·9 | 0 | NNW | 4 | c | 35 | 92 | 8 | 8 | 7 | – | 4-6 | 9 | 1500 |
| 17 | Blacksod Point | 18 | 1036·2 | +4 | NE | 5 | b | 40 | 85 | 8 | – | – | – | 0 | 0 | – |
| 18 | Malin Head ... | 84 | 1037·3 | +2 | NE | 5 | bc | 41 | 75 | 8 | 4 | – | 4 | 2-3 | 4-6 | 5700 |
| | Aldergrove ... | 268 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 19 | Birr Castle ... | 173 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 20 | Valentia Obsy. † | 30 | 1033·4 | +6 | ENE | 3 | b | 43 | 92 | 7 | – | – | – | 0 | 0 | – |
| | Roches Point | 22 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |

### OBSERVATIONS at 7 hr. G.M.T. 18th April

| District | Stations | Barom. at M.S.L. mb. (15) | Change in 3 hours (16) | Wind Direc. (17) | Wind Force 0–12 (18) | Weather (19) | Temp. °F. (20) | Humid. % (21) | Visibility 0–9 (22) | Cloud Form Low (23) | Cloud Form Med. (24) | Cloud Form High (25) | Cloud Amount Low 0–10 (26) | Cloud Amount Total 0–10 (27) | Height of Base (feet) (28) | State of Ground 0–9 (29) | Sea 0–9 (30) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | London (Kew) | 1032·1 | 0 | NNW | 3 | $Z_o$ | 38 | 55 | 6 | 5 | – | – | 4-6 | 4-6 | 4000 | 0 | * |
| | Croydon ... | 1032·0 | −2 | NW | 2 | b | 36 | 65 | 8 | – | 4 | – | 0 | 1 | – | 0 | * |
| | S. Farnborough | 1032·6 | +2 | NNW | 2 | b | 35 | 65 | 8 | – | 4 | – | 0 | Tr | – | 0 | * |
| | Boscombe Down | 1033·6 | +2 | N | 2 | bc | 29 | 85 | 7 | 5 | – | – | 4-6 | 4-6 | 5700 | 0 | * |
| | Calshot (Sthmtn.) | 1032·7 | +2 | N'W | 4 | b | 34 | 75 | 7 | 5 | – | – | 1 | 1 | 4000 | 0 | 2 |
| | Lympne ... | 1031·2 | −2 | NNW | 4 | b | 35 | 75 | 8 | 8 | – | 1 | Tr | 1 | 4000 | 0 | 2 |
| | Manston ... | 1030·5 | −2 | N'W | 4 | bc | 39 | 65 | 8 | 8 | – | 6 | 1 | 2-3 | 2500 | 0 | * |
| 2 | Shoeburyness... | 1031·0 | −2 | NNW | 4 | b | 39 | 65 | 7 | 5 | 4 | – | 1 | 1 | 4000 | 0 | * |
| | Felixstowe ... | 1030·6 | −4 | WNW | 3 | bc | 37 | 85 | 8 | 5 | – | 1 | 2-3 | 2-3 | 2500 | 0 | 2 |
| | Gorleston ... | 1029·7 | 0 | NW'W | 2 | b/ps | 37 | 92 | 7 | 8 | – | – | 4-6 | 4-6 | 2500 | 1 | 2 |
| | Mildenhall ... | 1031·4 | −2 | NW | 4 | c | 37 | 75 | 8 | 5 | 3 | – | 7-8 | 7-8 | 2500 | 1 | * |
| | Cranwell ... | 1032·4 | +2 | NW | 4 | c | 37 | 65 | 8 | 5 | 4 | – | 9 | 9+ | 4000 | 0 | * |
| 3 | Birmingham ... | 1033·8 | 0 | NW | 3 | b | 33 | 65 | 6 | – | 7 | – | 0 | Tr | – | 0 | * |
| | Upper Heyford | 1033·3 | −2 | N | 3 | c | 34 | 65 | 7 | 5 | – | – | 9+ | 9+ | 4000 | 0 | * |
| 4 | Ross-on-Wye | 1034·4 | 0 | N'E | 2 | b | 33 | 65 | 7 | – | – | – | 0 | 0 | – | 0 | * |
| 5 | Bristol ... | 1034·2 | +2 | – | 0 | $Z_o$ | 31 | 75 | 6 | – | – | – | 0 | 0 | – | 3 | * |
| | Portland Bill ... | 1031·9 | −4 | ENE | 4 | bc | 39 | 65 | 8 | 4 | – | – | 2-3 | 2-3 | 2500 | 0 | 4 |
| | Plymouth ... | 1032·8 | +6 | NE'E | 3 | b | 37 | 65 | 8 | 5 | – | – | Tr | Tr | 2500 | 0 | 1 |
| | The Lizard ... | 1031·5 | +10 | ENE | 5 | bc | 40 | 65 | 8 | 4 | – | – | 2-3 | 2-3 | 2500 | 0 | 3 |
| | Scilly (St. Mary's) | 1031·6 | +10 | ENE | 5 | b | 40 | 75 | 8 | 7 | – | – | 1 | 1 | 4000 | 0 | 3 |
| | Guernsey ... | 1030·4 | +6 | NE | 5 | c | 41 | 55 | 9 | 8 | – | – | 9+ | 9+ | 2500 | 0 | 4 |
| 6 | Pembroke ... | 1035·3 | +4 | ENE | 3 | bc | 36 | 65 | 8 | 7 | – | – | 2-3 | 2-3 | 2500 | 0 | 1 |
| 7 | Holyhead ... | 1035·4 | +2 | SE | 1 | b | 38 | 75 | 7 | 7 | – | – | 1 | 1 | 4000 | 0 | 1 |
| | Chester (Sealand) | 1035·2 | −2 | – | 0 | $Z_o$ | 31 | 85 | 6 | 5 | – | – | Tr | Tr | 2500 | 0 | * |
| 8 | Manchester ... | 1035·0 | +4 | – | 0 | m | 30 | 92 | 4 | 5 | 4 | – | 1 | 1 | 5700 | 3 | * |
| 10 | Spurn Head ... | 1031·3 | 0 | NW | 5 | c/pr | 37 | 92 | 6 | 8 | 3 | – | 7-8 | 7-8 | 450 | 1 | 4 |
| | Catterick ... | 1033·6 | +2 | NW'N | 3 | c | 39 | 65 | 8 | 5 | – | – | 9+ | 9+ | 4000 | 0 | * |
| | Tynemouth ... | 1032·7 | 0 | NW | 3 | c | 39 | 65 | 7 | 8 | – | – | 9+ | 9+ | 1500 | 0 | 3 |
| 11 | St. Abb's Head .. | 1033·0 | +4 | NNW | 3 | c | 40 | 75 | 8 | 5 | 6 | 1 | 4-6 | 9 | 2500 | 0 | 3 |
| | Leuchars ... | 1034·0 | −2 | W | 2 | c | 40 | 65 | 9 | 5 | 2 | – | 7-8 | 9+ | 4000 | 0 | * |
| 12 | Renfrew (Abbots I.) | 1035·6 | 0 | WSW | 1 | bc | 30 | 85 | 8 | – | – | 5 | 0 | 2-3 | – | 0 | * |
| | Eskdalemuir ... | 1035·4 | 0 | – | 0 | c | 28 | 85 | 8 | 5 | 5 | 2 | 4-6 | 7-8 | 2500 | 3 | * |
| | Point of Ayre... | 1035·6 | 0 | WNW | 1 | b | 38 | 75 | 8 | – | – | – | 0 | 0 | – | 0 | 1 |
| 13A | Tiree ... | 1035·6 | −4 | N | 2 | c | 44 | 65 | 8 | 5 | – | – | 9 | 9 | 2500 | 0 | 2 |
| 13B | Stornoway ... | 1034·9 | −2 | WNW | 3 | c/pr | 41 | 85 | 9 | 5 | 2 | – | 4-6 | 10 | 2500 | 1 | 1 |
| 15 | Dalwhinnie ... | 1035·3 | −4 | NW | 1 | c | 35 | 75 | 8 | 3 | – | – | 10 | 10 | 4000 | 0 | * |
| | Aberdeen ... | 1032·4 | −2 | NW | 3 | bc | 39 | 75 | 7 | 8 | – | 1 | 4-6 | 4-6 | 4000 | 0 | 1 |
| | Wick ... | 1032·2 | −10 | NW | 3 | c | 38 | 85 | 8 | 5 | 7 | – | 7-8 | 9+ | 1500 | 1 | 2 |
| 16 | Lerwick ... | 1029·1 | −12 | NW | 3 | c | 39 | 75 | 8 | 8 | 7 | – | 7-8 | 9 | 1500 | 1 | * |
| 17 | Blacksod Point | 1035·8 | +2 | NE | 1 | bc | 41 | 75 | 8 | 1 | – | – | 2-3 | 2-3 | 4000 | 0 | 3 |
| 18 | Malin Head ... | 1036·4 | −2 | NE'E | 2 | bc | 42 | 75 | 8 | 4 | – | 1 | 2-3 | 4-6 | 4000 | 0 | 2 |
| | Aldergrove ... | 1036·1 | +2 | – | 0 | b | 29 | 97 | 8 | – | – | – | 0 | 0 | – | 0 | * |
| 19 | Birr Castle ... | 1035·5 | +2 | NE | 1 | b | 27 | 97 | 7 | – | – | – | 0 | 0 | – | 0 | * |
| 20 | Valentia Obsy. † | 1033·5 | +4 | – | 0 | b | 40 | 75 | 8 | – | – | 1 | 0 | 1 | – | 0 | 1 |
| | Roches Point | 1034·1 | * | ESE | 4 | bc | 46 | 85 | 8 | 2 | – | – | 4-6 | 4-6 | 2500 | 0 | 2 |

### PAST 24 HOURS.

| District | Stations | Temperature Max. Day 7h–18h °F. (31) | Temperature Min. Night 18h–7h °F. (32) | Temperature Min. on Grass °F. (33) | Rainfall Day 7h–18h mm. (34) | Rainfall Night 18h–7h mm. (35) | Sunshine 18h–18h Hrs. (36) |
|---|---|---|---|---|---|---|---|
| 1 | London (Kew) | 49 | 33 | 24 | Tr | – | 5·5 |
| | Croydon ... | 50 | 32 | 24 | – | – | 5·6 |
| | S. Farnborough | 51 | 28 | 19 | – | Tr | ~~7·7~~ 8·0 |
| | Boscombe Down | 51 | 24 | 20 | – | – | 11·5 |
| | Calshot (Sthmtn.) | 54 | 33 | 29 | – | – | 11·1 |
| | Lympne ... | 48 | 30 | 26 | Tr | – | 9·7 |
| | Manston ... | 48 | 34 | 30 | Tr | – | 6·4 |
| 2 | Shoeburyness... | 52 | 27 | 18 | – | – | 6·1 |
| | Felixstowe ... | 47 | 30 | 25 | Tr | – | 3·8 |
| | Gorleston ... | 47 | 35 | 35 | Tr | 1 | 5·2 |
| | Mildenhall ... | 48 | 33 | 25 | Tr | Tr | 6·8 |
| | Cranwell ... | 47 | 33 | 27 | Tr | – | 6·3 |
| 3 | Birmingham ... | 48 | 29 | 23 | – | – | 8·2 |
| | Upper Heyford | 49 | 29 | 23 | – | – | * |
| 4 | Ross-on-Wye | 51 | 27 | 17 | – | – | 11·3 |
| 5 | Bristol ... | 52 | 24 | 13 | – | – | 11·8 |
| | Portland Bill ... | 53 | 36 | * | – | – | * |
| | Plymouth ... | 53 | 36 | 32 | – | – | 12·2 |
| | The Lizard ... | 51 | 39 | * | – | – | 10·4 |
| | Scilly (St. Mary's) | 52 | 40 | * | – | – | 11·0 |
| | Guernsey ... | 50 | 40 | 36 | – | – | 7·2 |
| 6 | Pembroke ... | 56 | 31 | * | – | – | 12·2 |
| 7 | Holyhead ... | 47 | 35 | 24 | – | – | 12·0 |
| | Chester (Sealand) | 51 | 24 | 19 | – | – | 6·5 |
| 8 | Manchester ... | 50 | 20 | 15 | – | – | 9·5 |
| 10 | Spurn Head ... | 44 | 35 | * | 0·3 | 2 | 3·3 |
| | Catterick ... | 44 | 33 | 27 | – | – | 6·8 |
| | Tynemouth ... | 41 | 36 | 32 | 0·2 | Tr | 5·4 |
| 11 | St. Abb's Head .. | 40 | 38 | * | Tr | – | * |
| | Leuchars ... | 46 | 32 | 27 | Tr | – | 5·1 |
| 12 | Renfrew (Abbots I.) | 49 | 25 | 20 | – | – | 11·1 |
| | Eskdalemuir ... | 45 | 23 | 17 | Tr | – | 9·5 |
| | Point of Ayre... | 47 | 30 | * | – | – | 12·9 |
| 13A | Tiree ... | 44 | 40 | 37 | – | – | 4·4 |
| 13B | Stornoway ... | 42 | 39 | * | – | 1 | 2·0 |
| 15 | Dalwhinnie ... | 41 | 30 | 22 | Tr | – | 4·9 |
| | Aberdeen ... | 42 | 36 | 32 | Tr | Tr | 3·1 |
| | Wick ... | 40 | 35 | * | 0·3 | Tr | * |
| 16 | Lerwick ... | 39 | 32 | * | 1 | Tr | 3·3 |
| 17 | Blacksod Point | 50 | 38 | * | – | – | * |
| 18 | Malin Head ... | 45 | 38 | * | – | – | 7·3 |
| | Aldergrove ... | 49 | 24 | 18 | – | – | 12·5 |
| 19 | Birr Castle ... | 54 | 26 | * | – | – | 12·0 |
| 20 | Valentia Obsy. † | 58 | 36 | 27 | – | Tr | 12·0 |
| | Roches Point | 54 | 37 | * | – | – | * |

### LONDON OBSERVATIONS

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations except for rainfall which is 9h—18h.

| | Height above M.S.L. in feet | Weather Morning (24 hrs. ended 9h.) | Weather Afternoon (24 hrs. ended 9h.) | Weather Night (24 hrs. ended 9h.) | Temperature Day Max. °F. | Temperature Night Min. °F. | Temperature Min. on Grass °F. | Rainfall Day mm. | Rainfall Night mm. | Sunshine to Sunset hrs. Yesterday | Humidity 15h. G.M.T. % Yesterday | Humidity 9h. G.M.T. % To-day | Visibility 9h. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kew... | 18 | cp,zbc | bcz,y | bcz,ybc | 49 | 33 | 24 | Tr | – | 5·5 | * | * | 7 |
| Croydon ... | 217 | bcy,z,y | bcz,yc | bcz,ybc | 50 | 32 | 24 | – | – | 5·6 | * | * | 6 |
| Greenwich (Royal Observatory)... | 149 | c | cy | cbcbx | 50 | 34 | 25 | – | – | 6·1 | 44 | 55 | 6 |
| City (Bunhill Row) ... | — | * | * | * | * | * | * | * | * | * | * | * | * |
| Westminster (St. James' Park) ... | 27 | * | * | * | 52 | 35 | 28 | – | – | 5·8 | 66 | 60 | * |
| Regents Pk. (Botanic Gardens)‡... | 168 | * | * | * | 52 | 33 | 27 | – | – | 5·1 | 70 | 68 | * |
| Camden Square ... | 110 | c | bc | * | 52 | 33 | 25 | – | – | * | * | 47 | * |
| Kensington ... | 80 | bc | bc | * | 51 | 34 | 24 | – | – | 6·4 | At 18h. 45 | 45 | * |
| Hampstead Observatory ... | 450 | bc | bc | bc | 48 | 31 | 25 | – | – | 6·8 | * | 78 | * |

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. 18th

| South Kensington Max. | Time. | Min. | Time. |
|---|---|---|---|
| <0·3 whole period. | | | |

| Kew Observatory Max. | Time. | Min. | Time. |
|---|---|---|---|
| 0·1 | 7h. 18th | <0·1 | 3h. 18th |

### FOREIGN OBSERVATIONS.

18h. G.M.T. 17th April

| Stations | Barom. mb. | Wind Direc. | Wind Force | Weather | Temp. °F. |
|---|---|---|---|---|---|
| Paris ... | 1024·3 | NNE | 5 | b | 48 |
| Brussels ... | 1027·4 | NW | 5 | b | 39 |
| Berlin ... | 1019·3 | NW'W | 6 | c/ps | 37 |
| Zurich ... | 1017·5 | ENE | 1 | c | 52 |
| Rome ... | 1014·2 | SE | 2 | bc | 57 |

7h. G.M.T. 18th April

| Stations | Barom. mb. | Wind Direc. | Wind Force | Weather | Temp. °F. | Past 24 Hours Max. Day °F. | Min. Night °F. | Rainfall Day mm. | Rainfall Night mm. |
|---|---|---|---|---|---|---|---|---|---|
| Paris ... | 1028·7 | N | 3 | b | 34 | 57 | 28 | – | – |
| Brussels ... | 1028·1 | W | 2 | b/s | 36 | 59 | 27 | – | 0·3 |
| Berlin ... | | | | | | 48 | | Tr | |
| Zurich ... | 1020·3 | N | 2 | c | 32 | 59 | 36 | – | Tr |
| Rome ... | 1010·1 | ESE | 2 | o | 50 | * | * | – | – |

## EXPLANATION OF FIGURES, LETTERS, etc.

**COLUMNS 2, 15.**
The barometric tendency is expressed in tenths of a millibar.

**COLUMNS 4, 18.**
The Beaufort Scale of Wind is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers is the speed at about 30 feet above the ground.

| Beaufort No | Statute m/h. | Beaufort No | Statute m/h. | Beaufort No. | Statute m/h. |
|---|---|---|---|---|---|
| 0 | <1 | 4 | 13–18 | 9 | 47–54 |
| 1 | 1–3 | 5 | 19–24 | 10 | 55–63 |
| 2 | 4–7 | 6 | 25–31 | 11 | 64–75 |
| 3 | 8–12 | 7 | 32–38 | 12 | > 75 |
| | | 8 | 39–46 | | |

**COLUMNS 34, 35.**
Tr. = rain has fallen, but amount less than 0·1 mm.

**COLUMNS 8, 22.—Code for surface visibility.**

| | Objects not visible at |
|---|---|
| 0 Dense fog | 55 yards |
| 1 Thick fog | 220 ,, |
| 2 Fog | 550 ,, |
| 3 Moderate fog | 1,100 ,, |
| 4 Mist or haze | 1½ miles. |
| 5 Poor visibility | 2½ ,, |
| 6 Moderate ,, | 6½ ,, |
| 7 Good ,, | 12½ ,, |
| 8 Very good ,, | 31 ,, |
| 9 Excellent ,, | beyond 31 ms. |

**COLUMN 30.—Code for State of Sea.**

| | |
|---|---|
| 0 Calm. | 5 Very rough. |
| 1 Smooth. | 6 High. |
| 2 Slight. | 7 Very high. |
| 3 Moderate. | 8 Precipitous. |
| 4 Rough. | 9 Confused. |

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METEOROLOGICAL OFFICE, AIR MINISTRY, ADASTRAL HOUSE, KINGSWAY, LONDON, W.C.2.

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S., Director.

† 1 hr. observations are from Valentia W/T Station. ‡ Maximum and Minimum Temperatures are for the 24 hours ending 6 [illegible] ‖ Sea disturbance reported from Dungeness.

Page 1.

AIR MINISTRY.

# THE DAILY WEATHER REPORT

## OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Tuesday 19th April, 1938.
No. 27907.

### OBSERVATIONS at 13h. G.M.T. 18th April

| District | Stations (For heights see p. 4.) | Barom. at M.S.L. mb. (1) | Change in 3 hours (2) | Wind Direc. (3) | Wind Force 0-12 (4) | Weather (5) | °F. Temp. (6) | % Humid. (7) | Visibility 0-9 (8) | Cloud Form Low (9) | Cloud Form Med. (10) | Cloud Form High (11) | Cloud Amount Low 0-10 (12) | Cloud Amount Total 0-10 (13) | Height of Base (feet) (14) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | London (Kew) | 1031.3 | -6 | N'E | 4 | c | 46 | 55 | 7 | 8 | - | - | 9+ | 9+ | 2500 |
| | Croydon ... | 1030.8 | -6 | N'E | 4 | c | 46 | 45 | 6 | 2 | - | - | 9+ | 9+ | 4000 |
| | S. Farnborough | 1031.2 | -6 | N | 4 | c | 46 | 45 | 8 | 5 | - | - | 9+ | 9+ | 4000 |
| | Boscombe Down | 1031.6 | -10 | NE | 4 | c | 48 | 45 | 8 | 7 | - | - | 7-8 | 7-8 | 4000 |
| | Calshot (Sthmtn.) | 1031.2 | -10 | N'E | 3 | c | 51 | 45 | 8 | 7 | - | 1 | 7-8 | 7-8 | 4000 |
| | Lympne ... | 1030.4 | -6 | N'E | 5 | pr₀ | 44 | 55 | 8 | 8 | - | - | 9+ | 9+ | 2500 |
| | Manston ... | 1030.1 | -4 | NNW | 3 | c/pr | 40 | 85 | 8 | 8 | - | - | 9 | 9 | 1500 |
| 2 | Shoeburyness ... | 1030.4 | -2 | N'W | 4 | c/pr | 43 | 75 | 8 | 8 | - | - | 9 | 9 | 2500 |
| | Felixstowe ... | 1030.1 | -2 | N | 4 | c/phr | 41 | 75 | 8 | 9 | - | - | 9+ | 9+ | 1500 |
| | Gorleston ... | 1030.0 | +2 | N'W | 5 | bc | 43 | 65 | 6 | 8 | - | - | 4-6 | 4-6 | 2500 |
| | Mildenhall ... | 1030.6 | -6 | N'W | 5 | c | 46 | 55 | 8 | 8 | - | - | 9 | 9 | 4000 |
| | Cranwell ... | 1032.0 | -4 | NWN | 4 | c/pr | 45 | 65 | 8 | 8 | - | - | 7-8 | 9+ | 2500 |
| 3 | Birmingham ... | 1032.4 | -6 | NNE | 3 | bc | 46 | 45 | 7 | 5 | - | - | 4-6 | 4-6 | 4000 |
| | Upper Heyford | 1032.0 | -4 | N | 3 | z₀ | 46 | 45 | 6 | 5 | - | - | 9+ | 9+ | 2500 |
| 4 | Ross-on-Wye | 1032.3 | -8 | N | 3 | b | 49 | 35 | 8 | 1 | - | 1 | 1 | 1 | 4000 |
| 5 | Bristol ... | 1032.5 | -14 | NNE | 4 | bc | 49 | 55 | 8 | 4 | - | - | 2-3 | 2-3 | 4000 |
| | Portland Bill ... | 1030.9 | -10 | ENE | 3 | bc | 49 | 55 | 8 | 1 | - | - | 4-6 | 4-6 | 2500 |
| | Plymouth ... | 1031.8 | -10 | E | 3 | b | 47 | 45 | 8 | - | - | - | 0 | 0 | - |
| | The Lizard ... | 1032.0 | 0 | E'N | 4 | bc | 48 | 55 | 8 | 7 | - | - | 2-3 | 2-3 | 4000 |
| | Scilly (St.Mary's) | 1032.0 | -2 | E'S | 4 | b | 49 | 55 | 8 | 1 | - | - | 1 | 1 | 4000 |
| | Guernsey ... | 1030.5 | -2 | NEE | 4 | bc | 46 | 55 | 9 | 1 | - | - | 4-6 | 4-6 | 2500 |
| 6 | Pembroke ... | 1033.5 | -2 | N'E | 4 | g | 50 | 45 | 8 | - | - | - | 0 | 0 | - |
| 7 | Holyhead ... | 1034.5 | -6 | N'E | 2 | b | 47 | 45 | 7 | 1 | - | - | 1 | 1 | 4000 |
| | Chester (Sealand) | 1033.9 | -10 | N'W | 3 | bc | 49 | 45 | 7 | 7 | - | - | 4-6 | 4-6 | 2500 |
| 8 | Manchester ... | 1032.9 | -14 | NW | 3 | c | 47 | 45 | 8 | 7 | 4 | - | 7-8 | 7-8 | 4000 |
| 10 | Spurn Head ... | 1031.2 | 0 | N'E | 6 | g | 45 | 75 | 7 | 8 | 5 | - | 4-6 | 7-8 | 2500 |
| | Catterick ... | 1032.3 | -10 | N'W | 3 | jf | 47 | 45 | 7 | 5 | - | - | 9+ | 9+ | 4000 |
| | Tynemouth ... | 1031.6 | -6 | N | 4 | c | 45 | 65 | 7 | 8 | - | - | 7-8 | 7-8 | 1500 |
| 11 | St. Abbs Head | 1032.2 | -6 | NW | 4 | c | 44 | 65 | 7 | 9 | 2 | - | 4-6 | 9+ | 2500 |
| | Leuchars ... | 1032.2 | -12 | NW | 3 | c | 48 | 55 | 9 | 8 | 7 | 8 | 7-8 | 9+ | 4000 |
| 12 | Renfrew (Abbots I.) | 1033.6 | -12 | NWN | 3 | c | 48 | 55 | 9 | 7 | - | - | 9 | 9 | 5700 |
| | Eskdalemuir ... | 1032.4 | -10 | N'E | 3 | c | 45 | 45 | 8 | 5 | - | - | 9 | 9 | 2500 |
| | Point of Ayre... | 1034.6 | -8 | NWN | 3 | bc | 49 | 55 | 8 | 1 | - | 4 | 1 | 4-6 | 4000 |
| 13A | Tiree ... | 1034.7 | -4 | NW | 2 | c | 47 | 65 | 8 | 5 | - | - | 9+ | 9+ | 4000 |
| 13B | Stornoway ... | 1033.8 | -4 | NW | 4 | c | 46 | 65 | 9 | 8 | 2 | - | 9 | 10 | 4000 |
| 15 | Dalwhinnie ... | 1033.5 | -6 | WNW | 3 | c | 43 | 65 | 8 | 5 | - | - | 10 | 10 | 4000 |
| | Aberdeen ... | 1030.9 | -10 | NWN | 4 | c | 45 | 65 | 8 | 8 | - | - | 9+ | 9+ | 1500 |
| | Wick ... | 1030.5 | -10 | NW | 6 | c | 46 | 65 | 8 | 5 | 7 | 9 | 7-8 | 9 | 1500 |
| 16 | Lerwick ... | 1027.4 | -8 | NNW | 4 | c | 46 | 65 | 8 | 8 | 7 | - | 4.6 | 7-8 | 1500 |
| 17 | Blacksod Point | 1035.0 | -10 | - | 0 | b | 49 | 55 | 9 | 1 | - | - | Tr | Tr | 5700 |
| 18 | Malin Head ... | 1035.9 | -4 | NW | 1 | c | 46 | 65 | 8 | 7 | 5 | 3 | 1 | 7-8 | 4000 |
| | Aldergrove ... | 1034.8 | -8 | N | 2 | c | 50 | 55 | 8 | 7 | - | - | 7-8 | 7-8 | 2500 |
| 19 | Birr Castle ... | 1034.2 | -8 | N | 1 | bc | 51 | 55 | 7 | 1 | - | - | 2-3 | 2-3 | 4000 |
| 20 | Valentia Obsy. † | 1033.5 | -2 | SE | 3 | bc | 55 | 55 | 7 | 7 | - | - | 4-6 | 4-6 | 4000 |
| | Roches Point | 1034.8 | * | E | 3 | b | 49 | 55 | 8 | 1 | - | - | 1 | 1 | 4000 |

### OBSERVATIONS at 18h. G.M.T. 18th April

| Stations | Barom. at M.S.L. mb. (15) | Change in 3 hours (16) | Wind Direc. (17) | Wind Force 0-12 (18) | Weather (19) | °F. Temp. (20) | % Humid. (21) | Visibility 0-9 (22) | Cloud Form Low (23) | Cloud Form Med. (24) | Cloud Form High (25) | Cloud Amount Low 0-10 (26) | Cloud Amount Total 0-10 (27) | Height of Base (feet) (28) | State of Ground 0-9 (29) | Sea 0-9 (30) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| London (Kew) | 1029.9 | -8 | NNE | 4 | c | 45 | 65 | 7 | 5 | - | - | 7-8 | 7-8 | 4000 | 0 | * |
| Croydon | 1029.9 | -6 | NNE | 3 | z₀ | 44 | 55 | 6 | 7 | 3 | 2 | 7-8 | 9+ | 2500 | 0 | * |
| S. Farnborough | 1030.1 | -6 | NEN | 4 | c | 45 | 55 | 8 | 7 | 3 | - | 7-8 | 9+ | 4000 | 0 | * |
| Boscombe Down | 1030.3 | -6 | NNE | 2 | bc | 46 | 45 | 7 | 4 | - | - | 2-3 | 2-3 | 4000 | 0 | * |
| Calshot (Sthmtn.) | 1029.9 | -6 | N | 3 | bc | 48 | 45 | 7 | 7 | 3 | - | 2-3 | 4-6 | 4000 | 0 | 2 |
| Lympne | 1029.4 | -4 | N'E | 3 | bc | 41 | 65 | 9 | 8 | - | 1 | 4-6 | 4-6 | 4000 | 0 | §1 |
| Manston | 1028.8 | -4 | NE'N | 3 | b | 42 | 65 | 8 | 8 | - | - | Tr | Tr | 4000 | 1 | * |
| Shoeburyness | 1029.2 | -2 | N'W | 3 | bc/pr | 44 | 65 | 8 | 8 | - | - | 2-3 | 2-3 | 2500 | 0 | * |
| Felixstowe | 1029.2 | -6 | N | 4 | bc | 44 | 45 | 8 | 4 | 3 | - | 2-3 | 2-3 | 2500 | 0 | 3 |
| Gorleston | 1028.7 | -2 | NW'N | 4 | c | 45 | 45 | 6 | 8 | - | - | 7-8 | 7-8 | 2500 | 0 | 3 |
| Mildenhall | 1029.8 | -10 | N | 3 | bc | 43 | 55 | 8 | 4 | 4 | - | 2-3 | 2-3 | 4000 | 0 | * |
| Cranwell | 1030.1 | -14 | NNW | 3 | c | 45 | 65 | 8 | 8 | - | - | 4-6 | 9 | 2500 | 0 | * |
| Birmingham | 1030.3 | -8 | NE | 2 | c | 46 | 55 | 6 | 5 | - | - | 10 | 10 | 2500 | 0 | * |
| Upper Heyford | 1030.6 | -6 | NE | 3 | z₀ | 45 | 65 | 6 | 5 | - | - | 9 | 9 | 4000 | 0 | * |
| Ross-on-Wye | 1030.3 | -8 | N | 3 | bc | 49 | 45 | 7 | 1 | - | 1 | 1 | 2-3 | 4000 | 0 | * |
| Bristol | 1030.4 | -18 | NNE | 2 | z₀ | 49 | 45 | 6 | 4 | - | - | 4-6 | 4-6 | 4000 | 0 | * |
| Portland Bill | 1030.0 | -6 | ENE | 3 | c | 48 | 65 | 8 | 4 | - | - | 7-8 | 7-8 | 2500 | 0 | 3 |
| Plymouth | 1030.6 | -2 | SWW | 3 | b | 47 | 65 | 8 | 1 | 5 | - | Tr | 1 | 4000 | 0 | 2 |
| The Lizard | 1031.0 | -4 | ENE | 1 | b | 46 | 65 | 8 | - | - | - | 0 | 0 | - | 0 | 2 |
| Scilly (St.Mary's) | 1031.1 | -4 | E | 3 | bc | 47 | 65 | 8 | 7 | - | - | 2-3 | 2-3 | 4000 | 0 | 2 |
| Guernsey | 1029.8 | -6 | NE | 3 | bc | 45 | 55 | 8 | - | - | 8 | 0 | 2-3 | - | 0 | 4 |
| Pembroke | 1031.6 | -10 | N'E | 4 | bc | 46 | 65 | 8 | - | 4 | - | 0 | 4-6 | - | 0 | 2 |
| Holyhead | 1032.4 | -10 | N | 2 | bc | 45 | 55 | 8 | 1 | - | 6 | Tr | 4-6 | 4000 | 0 | 1 |
| Chester (Sealand) | 1032.2 | -10 | NW | 4 | c | 45 | 55 | 8 | 5 | - | 7 | 1 | 7-8 | 2500 | 0 | * |
| Manchester | 1031.5 | -6 | NW | 3 | c | 44 | 65 | 8 | 7 | 4 | - | 9 | 9+ | 4000 | 0 | * |
| Spurn Head | 1029.5 | -8 | N'W | 4 | bc | 45 | 65 | 7 | 4 | 4 | 8 | 2-3 | 4-6 | 2500 | 0 | 3 |
| Catterick | 1030.4 | -10 | NNW | 1 | c | 46 | 45 | 7 | 5 | 3 | - | 4-6 | 9+ | 5700 | 0 | * |
| Tynemouth | 1029.9 | -16 | NW | 3 | c | 47 | 55 | 6 | 3 | - | - | 9 | 9 | 1500 | 0 | 3 |
| St. Abbs Head | 1030.0 | -6 | NNW | 3 | c | 43 | 75 | 9 | 9 | 7 | - | 7-8 | 9+ | 2500 | 0 | 3 |
| Leuchars | 1030.3 | -6 | N | 1 | c | 47 | 65 | 9 | 8 | 7 | - | 9 | 9+ | 4000 | 0 | * |
| Renfrew (Abbots I.) | 1030.7 | -14 | NW'W | 4 | c | 47 | 65 | 9 | 7 | - | 6 | 4-6 | 7-8 | 5700 | 0 | * |
| Eskdalemuir | 1030.3 | -14 | SW'W | 3 | c | 44 | 55 | 8 | 5 | - | 9 | 7-8 | 9+ | 2500 | 0 | * |
| Point of Ayre | 1032.1 | -18 | N'W | 4 | c | 47 | 65 | 8 | 1 | 3 | - | Tr | 7-8 | 4000 | 0 | 2 |
| Tiree | 1033.1 | -10 | NWN | 4 | o | 46 | 65 | 9 | 5 | 3 | - | 7-8 | 9 | 2500 | 0 | 2 |
| Stornoway | 1031.9 | -10 | NW | 4 | c | 47 | 65 | 9 | 5 | 7 | 9 | 7-8 | 9+ | 4000 | 1 | 2 |
| Dalwhinnie | 1031.6 | -4 | NW | 2 | c | 41 | 65 | 8 | 5 | - | - | 10 | 10 | 4000 | 0 | * |
| Aberdeen | 1029.9 | -10 | NNW | 4 | jp | 46 | 55 | 8 | 8 | - | 1 | 9+ | 9+ | 2500 | 0 | 1 |
| Wick | 1029.9 | -8 | NW | 5 | c | 45 | 75 | 8 | 8 | 1 | 1 | 4-6 | 7-8 | 1500 | 1 | 2 |
| Lerwick | 1026.5 | -6 | NNW | 4 | o | 46 | 65 | 8 | 8 | 7 | 9 | 4.6 | 7-8 | 1500 | 0 | * |
| Blacksod Point | 1033.4 | -10 | NE | 3 | b | 48 | 75 | 9 | - | - | - | 0 | 0 | - | 0 | 3 |
| Malin Head | 1035.0 | -10 | N | 2 | c | 47 | 75 | 8 | 8 | 4 | - | 4-6 | 7-8 | 4000 | 0 | 1 |
| Aldergrove | 1033.1 | -6 | N | 3 | bc | 48 | 45 | 8 | 2 | - | 5 | 2-3 | 2-3 | 2500 | 0 | * |
| Birr Castle | 1032.0 | -10 | N | 1 | bc | 54 | 45 | 7 | 1 | - | - | 2-3 | 2-3 | 4000 | 0 | * |
| Valentia Obsy. † | 1032.7 | -4 | S'W | 3 | c | 51 | 65 | 8 | 7 | - | 8 | 4-6 | 7-8 | 4000 | 0 | 1 |
| Roches Point | 1033.0 | * | E | 3 | b | 46 | 55 | 8 | - | - | - | 0 | 0 | - | 0 | 2 |

### PAST 24 HOURS. Weather

| Stations | 7h.—13h. 18th (37) | 13h.—18h. 18th (38) | 18h. 18th to 1h. 19th (39) | 1h.—7h. 19th (40) |
|---|---|---|---|---|
| London (Kew) | bcz₀cy | cpr₀bcc | cybc | cm₀ |
| Croydon | bc,cz₀y | cz₀y | bz₀zx | bcm₀xcm |
| S. Farnborough | bccy | pr₀cy | cyc | cbxc |
| Boscombe Down | bcb,cy | cybcy | bcy,b | bbcxbm |
| Calshot (Sthmtn.) | bbcy | cybcy | bcyb | bbz₀ |
| Lympne | b,cy | cpr₀bcy | bcbwx | bxcm₀ |
| Manston | bcpr | cqphr | bbc | bccm₀ |
| Shoeburyness | bcycpr | ccp₀bc | bcbx | bxcz₀ |
| Felixstowe | bccid prhq | cprbcy | bcyyc | cm₀pr₀ |
| Gorleston | bcpr₀q | bcca | cprbcc | or₀if |
| Mildenhall | cprcbcy | phqbcym | bcyycwbc | cxmbx |
| Cranwell | cpr₀ | cpr₀y | cbc | ccz₀ |
| Birmingham | bbc | bcc | cbc | bccx |
| Upper Heyford | cbccz₀ | bcz₀ | cb | bbcm₀ |
| Ross-on-Wye | by | bybcy | b | bxbcb |
| Bristol | bm₀bbc | bcyz₀ | bcm₀ | bm₀x |
| Portland Bill | c | c | bcb | bbc |
| Plymouth | by | by | b | bxm₀ |
| The Lizard | bcy | bcb | bw | bw |
| Scilly (St.Mary's) | bbcby | bbcy | bcb | bwbcx |
| Guernsey | cbc | bcbcc | bbc | bc |
| Pembroke | bcqyb | bc | b | bcx |
| Holyhead | by | bcby | bcybw | bwc |
| Chester (Sealand) | bxbcby | bcbyc | cybwx | bzcm₀ |
| Manchester | bmcbcy | bcycy | ccm₀ | cm₀f |
| Spurn Head | pshrc | cq/c | c | cq |
| Catterick | cbccjp | cy | c/bc | bcc |
| Tynemouth | c | c | cbc | bcc |
| St. Abbs Head | c | c | bcc | c |
| Leuchars | cy | cyprc | cbcc | bcc |
| Renfrew (Abbots I.) | Bbccy | cy | c | cbcwx |
| Eskdalemuir | bcc | cy | cyc | c |
| Point of Ayre | bbc | bcc | cbcbc | bbcc |
| Tiree | cpr₀ | c | c | c |
| Stornoway | cpr | c | cpr | c |
| Dalwhinnie | clro | cir | | c |
| Aberdeen | bccpr₀ | ccy | cpr₀ b | bwbcc |
| Wick | c | c | pr₀c | cprc |
| Lerwick | c | c | cpr₀bc | cid₀ |
| Blacksod Point | bc | b | b | bc |
| Malin Head | cy | cybcc | cbcbc | c |
| Aldergrove | bxcy | cybcy | bcyb | bxcx |
| Birr Castle | bbc | bc | bcb | bbc |
| Valentia Obsy. † | bbcbcy | bccyc | cbcbw | bxbw |
| Roches Point | bcby | by | byb | b |

## EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

### COLUMNS 5, 19, 37, 38, 39, 40—BEAUFORT NOTATION AND SYMBOLS FOR WEATHER.

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog „ less than 220 yds.
fs, low fog over sea (coast station).
fg, low fog over land (inland station).
m, mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jf, fog at a distance, but not at station.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/s₀, slight storm of drifting snow (generally low).
k/S, heavy storm of drifting snow (generally low).
s₀/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze: the turbid atmosphere of dry weather.
h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus R, heavy rain. r₀, slight rain. rr, continuous rain.
<, less than (for cloud height).
⊕, Solar halo. ⩀ lunar halo. ⫽ gale.

With present weather is combined, whenever possible, the general character of the weather.

A "solidus" divides actual existing weather from preceding conditions thus :—bc/r, fair weather after rain; —, has decreased; +, has increased.

### COLUMNS 9, 23.—FORM OF LOW CLOUD.

0 No low clouds.
1 Fair weather Cu.
2 Large Cu without anvil.
3 Cb.
4 Sc formed by the spreading out of Cu.
5 Layer of St or Sc.
6 Ragged low clouds of bad weather (or fractonimbus).
7 Fair weather Cu. and Sc.
8 Large-Cu (or Cb) and Sc.
9 Large-Cu (or Cb) and ragged low clouds of bad weather.

### COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4-6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries. "tr" signifies a small amount of cloud (trace) covering less than 1/20 of the sky. "9+" signifies an overcast sky with a few small openings.

### COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

0 No medium clouds.
1 Typical As (thin).
2 Typical As (thick) (sun or moon invisible), or Nimbostratus (Ns).
3 Single layer of Ac or high Sc.
4 Ac in isolated patches. Individually decreasing (often lenticular).
5 Ac in bands (increasing).
6 Ac formed from the spreading out of Cu.
7 Ac associated with As or As with parts resembling Ac.
8 Ac Castellatus (or Ac in ragged fragments).
9 Ac in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

### COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

0 No cirriform cloud.
1 Fine Ci not increasing: sparse
2 Fine Ci not increasing: abundant but not a continuous layer.
3 Anvil Ci (usually dense).
4 Fine Ci increasing: usually in tufts.
5 Ci or Cs increasing: still below 45° altitude: often in polar bands.
6 Ci or Cs increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Cs covering whole sky.
8 Cs not increasing and not covering whole sky.
9 Cc predominating, and a little cirrus. (Cc may occur with any of the types 1 to 8).

Cloud form abbreviations :—
Cirrus,–Ci: Cirrocumulus,–Cc: Cirrostratus,–Cs: Altocumulus,–Ac: Altostratus,–As
Stratocumulus,–Sc: Stratus,–St: Nimbostratus,–Ns: Cumulus,–Cu: Cumulonimbus,–Cb

### COLUMN 29.—STATE OF GROUND.

0 .. Ground dry.
1 .. „ wet.
2 .. „ flooded.
3 .. „ frozen hard and dry.
4 .. „ partly covered with snow or hail.
5 .. „ covered with ice or glazed frost.
6 .. Ground covered with thawing snow.
7 .. „ covered with snow, less than 6 ins., deep but ground not frozen.
8 .. „ covered with snow, less than 6 ins., but ground frozen.
9 .. „ covered with snow greater than 6 ins. deep.

NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2*

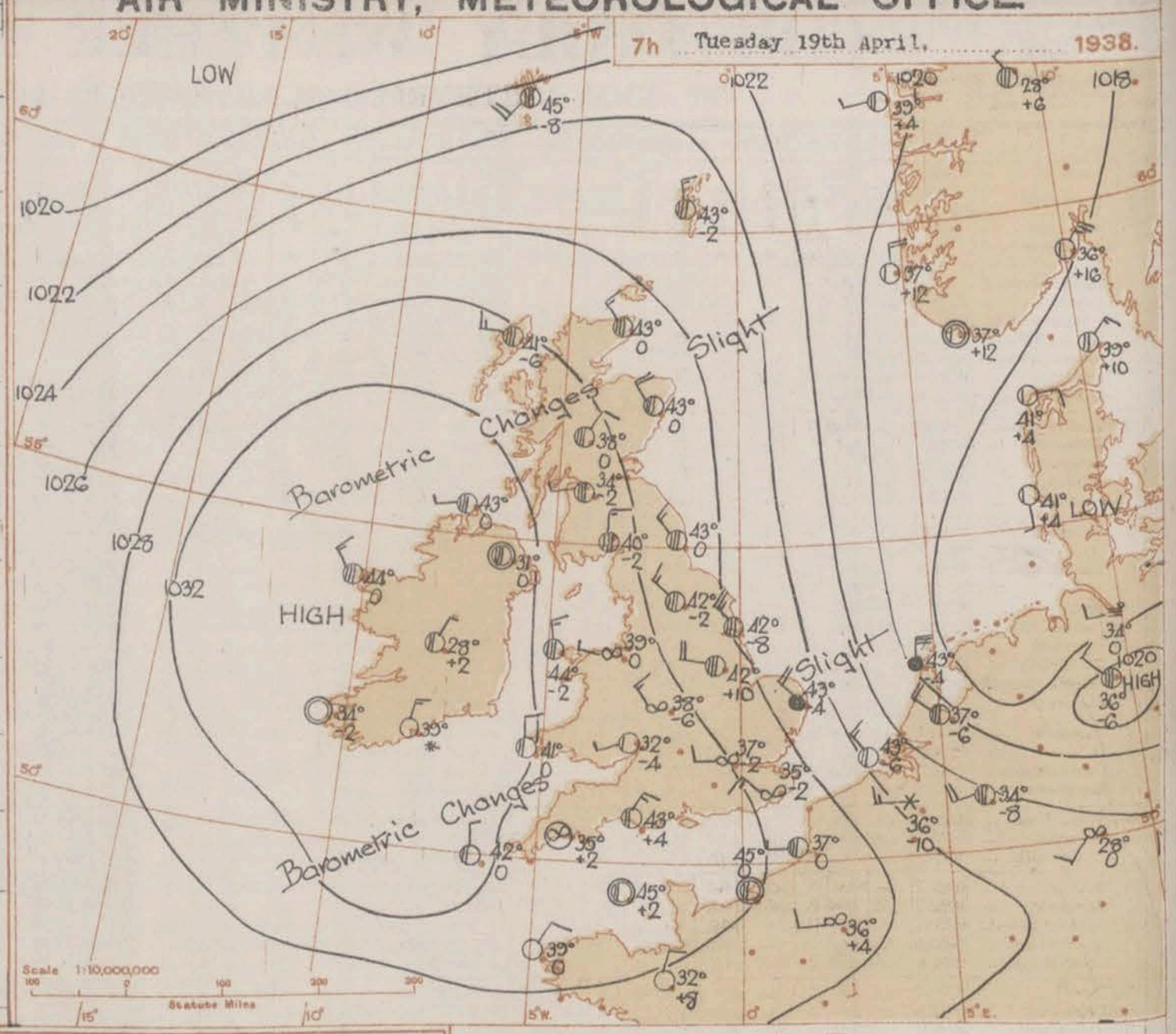
§ Sea disturbance reported from Dungeness.

# AIR MINISTRY, METEOROLOGICAL OFFICE.

## REPORTS from HEALTH RESORTS for 18th April 1938.

| Districts. | Stations. | Weather. Forenoon. | Weather. Afternoon. | Temperature (°F.) Min. 9h. 17th to 9h. 18th | Temperature (°F.) Max. 9h.—17h. 18th | Rainfall (mm.) Night. 17h. 17th to 9h. 18th | Rainfall (mm.) Day. 9h.—17h. 18th | Sunshine (Hrs.) Sunrise to 17h. 18th | Sunshine (Hrs.) Sunrise to Sunset. 17th |
|---|---|---|---|---|---|---|---|---|---|
| 1 | Tunbridge W. | bcc | coc | 25 | 48 | – | – | 5.0 | 6.9 |
| | Bournemouth | b | bbbc | 29 | 53 | – | – | 9.8 | 12.8 |
| | Ventnor ... | cb | bcu | 33 | 51 | – | – | 8.0 | 11.1 |
| | Southsea ... | b | bccbc | 33 | 56 | – | – | 7.1 | 10.4 |
| | Bognor Regis | bbbc | bcbc | 32 | 49 | – | – | 7.5 | 9.8 |
| | Littlehampton | bbc | bc | 30 | 50 | – | – | 7.9 | 9.9 |
| | Worthing ... | b | bcc | 32 | 49 | – | – | 6.3 | 9.6 |
| | Brighton ... | bcc | c | 32 | 51 | – | – | 7.3 | 8.7 |
| | Eastbourne† ... | bbycy | cyo | 32 | 50 | – | – | 6.4 | 6.8 |
| | Hastings† ... | bbcc | bccop | 32 | 48 | – | Trace | 6.6 | 8.2 |
| | Folkestone ... | bbcc | corhbc | 33 | 48 | – | 0.5 | 7.8 | 7.2 |
| | Dover ... | ybcc | cpbcy | 34 | 48 | Trace | 1 | 7.2 | 8.3 |
| | Deal ... ... | bbcbo | cc.b | 34 | 48 | – | 0.3 | 6.6 | 8.1 |
| | Ramsgate ... | bcc | pccbc | *39 | ~~48~~ 45 | – | 1 | 7.1 | 8.7 |
| | Margate ... | bc | cpbc | 38 | 46 | – | 1 | 7.2 | 6.8 |
| 2 | Southend ... | co | r.c | 31 | 48 | – | Trace | 5.9 | 6.2 |
| | Clacton-on-Sea | bccp | cbcv | 29 | 48 | – | Trace | 6.8 | 4.7 |
| | Dovercourt ... | ocbc | rocbc | 32 | 47 | – | 1 | 7.8 | 4.3 |
| | Lowestoft ... | cirrs | cbcbb | 30 | 51 | 0.6 | 0.2 | 7.9 | 6.3 |
| | Skegness ... | irpbc | bcb | 32 | 46 | 2 | 0.3 | 4.8 | 4.5 |
| | Mablethorpe... | orbc | bc | 40 | 46 | 4 | Trace | 6.3 | 5.9 |
| | Cleethorpes ... | bcr. | bc | 35 | 46 | 1 | 1 | 5.7 | 5.0 |
| 3 | Leamington S. | bcc | c | 32 | 51 | – | – | 3.6 | 8.0 |
| 4 | Cheltenham† | bybc | bbcc | 27 | 55 | – | – | 9.5 | 11.8 |
| 5 | Bath ... ... | b | bbc | 26 | 52 | – | – | 11.0 | 12.6 |
| | Weymouth ... | b | bbbc | 32 | 52 | – | – | 10.4 | 13.1 |
| | Jersey ... | bc | bc | 40 | 50 | – | – | 8.6 | 8.0 |
| | Torquay ... | by | by | 36 | 51 | – | – | 11.7 | 12.5 |
| | Falmouth | b | b | 36 | 49 | – | – | 11.3 | 12.3 |
| | Penzance ... | b | b | 36 | 53 | – | – | 11.3 | 11.8 |
| | St. Ives ... | b | b | *40 | *56 | – | – | 12.0 | 12.1 |
| | Bude... ... | b | b | 31 | 51 | – | – | 11.4 | 12.3 |
| | Ilfracombe ... | bbc | bcbbc | 37 | 49 | – | – | 11.4 | 11.9 |
| 6 | Aberystwyth | zbc | bc | 32 | 49 | – | – | 11.3 | 12.4 |
| 7 | Llandudno ... | bcb | b | 30 | 48 | – | – | 11.0 | 10.7 |
| | Colwyn Bay... | bcbcb | bcbbc | 31 | 46 | – | – | 11.0 | 10.7 |
| | Rhyl ... ... | b | b | 26 | 48 | – | – | 11.0 | 10.9 |
| 8 | Wallasey ... | bbcb | b | 31 | 49 | – | – | 11.2 | 8.5 |
| | Southport ... | xbv | bbc | 28 | 52 | – | – | 11.2 | 8.0 |
| | Blackpool ... | b | bbc | 25 | 48 | – | – | 11.4 | 10.1 |
| | Morecambe ... | b | bcc | 27 | 49 | – | – | 10.4 | 11.5 |
| 9 | Ilkley... ... | b | bcc | 26 | 51 | – | – | 4.6 | 8.9 |
| | Harrogate ... | bc | bcc | 32 | 48 | – | – | 5.3 | 9.9 |
| 10 | Berwick-on-T. | cbcc | co | 35 | 47 | – | – | 1.2 | 6.4 |
| 11 | Dunbar ... | cm. | cm.r. | 37 | 47 | – | Trace | 0.5 | 6.6 |
| 12 | Troon... ... | bbcbb | cbcbc | 33 | 49 | – | – | 4.4 | 12.0 |
| | Douglas ... | b | bc | 34 | 48 | – | – | 10.3 | 12.2 |

† Max. Temp. for period 21h. yesterday to 17h. to-day: Min. Temp. 21h.–9h.




BAROMETER. Isobars are drawn for intervals of two millibars.
WIND, WEATHER SYMBOLS. For explanation see opposite page.
SEA DISTURBANCE. Rough. High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

| Districts. | FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 19th April, 1938. |
|---|---|
| 1 S.E. England<br>2 E. England ...<br>3 E. Midlands ... | Light north or northwest winds, mainly fair; local coastal showers, rather cold, night frost. |
| 4 W. Midlands ...<br>5 S.W. England<br>6 South Wales ...<br>7 North Wales ...<br>8 N.W. England<br>9 N. Midlands ...<br>10 N.E. England<br>11 S.E. Scotland<br>12 S.W. Scotland & Isle of Man. | Light northwest winds, fine; average day temperature, night frost inland. |
| 13 A. W. Scotld. B. N.W. Scotland.<br>14 Mid Scotland<br>15 N. E. Scotland<br>16 Orkney and Shetland | Light west to northwest winds, fair periods, local showers; average temperature. |
| 17 N. W. Ireland<br>18 N. E. Ireland<br>19 S. E. Ireland<br>20 S. W. Ireland | Light variable winds, fine; average day temperature, night frost inland. |

### GENERAL INFERENCE.

An anticyclone over Ireland is diminishing in intensity, and a depression north of Iceland is moving northeast. Weather will be fair in most areas and mainly bright in the west. There will be local showers in the north and in the eastern coastal areas.

### FURTHER OUTLOOK.

Mainly fair; temperature rising.

Forecasts issued at 1000 G.M.T.

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S., Director.

H.M. Stationery Office Press, Kingsway, W.C.2

# AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

AIR MINISTRY.

# THE DAILY WEATHER REPORT

## OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Tuesday 19th April, 1938.
No. 27907.

### OBSERVATIONS at 1 hr. G.M.T. 19th April

| District | Stations | Height above M.S.L. in feet | Barom. at M.S.L. mb. (1) | Change in 3 hours (2) | Wind Direc. (3) | Wind Force 0-12 (4) | Weather (5) | Temp. °F. (6) | Humid. % (7) | Visibility 0-9 (8) | Cloud Form Low (9) | Cloud Form Med. (10) | Cloud Form High (11) | Cloud Amount Low 0-10 (12) | Cloud Amount Total 0-10 (13) | Height of Base (feet) (14) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | London (Kew) | 18 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Croydon ... | 217 | 1029.6 | -8 | - | 0 | $Z_0$ | 35 | 85 | 5 | - | - | - | 0 | 0 | - |
| | S. Farnborough | 226 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Boscombe Down | 417 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Calshot (Sthmtn.) | 8 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Lympne ... | 346 | 1028.7 | -10 | NW | 3 | b | 31 | 85 | 8 | - | - | - | 0 | 0 | - |
| | Manston ... | 142 | 1027.7 | -11 | NW'N | 3 | bc | 39 | 75 | 8 | - | 7 | - | 0 | 4.6 | - - |
| 2 | Shoeburyness... | 11 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Felixstowe ... | 15 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Gorleston ... | 5 | 1026.4 | -18 | WS | 3 | c | 38 | 75 | 7 | 5 | - | - | 8 | 9 | 2500 |
| | Mildenhall ... | 19 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Cranwell ... | 240 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 3 | Birmingham ... | 535 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Upper Hayford | 408 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 4 | Ross-on-Wye | 223 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 5 | Bristol ... | 209 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Portland Bill ... | 32 | 1028.5 | -10 | E.NE | 2 | b | 40 | 85 | 7 | - | - | - | 0 | 0 | - |
| | Plymouth ... | 82 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | The Lizard ... | 240 | 1031.0 | -2 | NE | 2 | b | 39 | 85 | 8 | - | - | - | c | 0 | - |
| | Scilly (St. Mary's) | 163 | 1030.8 | -6 | E | 3 | b | 44 | 85 | 8 | 1 | - | - | 1 | 1 | 4000 |
| | Guernsey .. | 175 | 1029.5 | -6 | NE | 2 | bc | 44 | 65 | 7 | - | 1 | - | 0 | 4.6 | - |
| 6 | Pembroke ... | 142 | 1031.2 | -4 | N | 3 | b | 40 | 85 | 8 | - | - | - | 0 | 0 | - |
| 7 | Holyhead ... | 26 | 1031.1 | -12 | N | 2 | b | 44 | 75 | 8 | 1 | - | - | 1 | 1 | 2500 |
| | Chester (Sealand) | 16 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 8 | Manchester ... | 70 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 10 | Spurn Head ... | 29 | 1028.0 | -10 | NW'W | 4 | c | 43 | 75 | 6 | 5 | - | - | 10 | 10 | 2500 |
| | Catterick ... | 175 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Tynemouth ... | 108 | 1028.3 | -10 | NW | 3 | bc | 40 | 75 | 7 | 2 | - | - | 2-3 | 2-3 | 1500 |
| 11 | St. Abbs Head .. | 290 | 1028.3 | -12 | NW | 4 | c | 43 | 65 | 8 | 5 | 7 | - | 7-8 | 9+ | 2500 |
| | Leuchars ... | 36 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 12 | Renfrew (Abbots I.) | 19 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Eskdalemuir ... | 794 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Point of Ayre... | 30 | 1030.9 | -6 | N | 4 | bc | 44 | 75 | 8 | 4 | 4 | - | 1 | 2-3 | 2500 |
| 13a | Tiree ... ... | 22 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 13b | Stornoway ... | 80 | 1030.9 | -4 | W | 3 | c/pr | 41 | 92 | 8 | 5 | 1 | - | 7-8 | 9+ | 2500 |
| 15 | Dalwhinnie ... | 1176 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Aberdeen ... | 79 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Wick ... | 81 | 1028.1 | -4 | NNW | 4 | c | 42 | 92 | 8 | 5 | 7 | - | 7-8 | 10 | 1500 |
| 16 | Lerwick ... | 156 | 1025.5 | -4 | NNW | 3 | c | 42 | 85 | 8 | 8 | 7 | - | 4.6 | 9+ | 1500 |
| 17 | Blacksod Point | 18 | 1032.0 | -6 | - | 0 | b | 38 | 92 | 8 | - | - | - | 0 | 0 | - |
| 18 | Malin Head ... | 84 | 1032.5 | -4 | SW'W | 1 | bc | 38 | 85 | 8 | - | 5 | - | 0 | 4.6 | - |
| | Aldergrove ... | 268 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 19 | Birr Castle ... | 173 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 20 | Valentia Obsy. † | 30 | 1032.4 | 0 | E | 1 | b | 42 | 97 | 8 | - | - | - | 0 | 0 | - |
| | Roches Point | 22 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |

### OBSERVATIONS at 7 hr. G.M.T. 19th April

| District | Stations | Barom. at M.S.L. mb. (15) | Change in 3 hours (16) | Wind Direc. (17) | Wind Force 0-12 (18) | Weather (19) | Temp. °F. (20) | Humid. % (21) | Visibility 0-9 (22) | Cloud Form Low (23) | Cloud Form Med. (24) | Cloud Form High (25) | Cloud Amount Low 0-10 (26) | Cloud Amount Total 0-10 (27) | Height of Base (feet) (28) | State of Ground 0-9 (29) | Sea 0-9 (30) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | London (Kew) | 1027.6 | -4 | WSW | 2 | $Z_0$ | 39 | 75 | 5 | 5 | - | - | 10 | 10 | 2500 | 0 | * |
| | Croydon ... | 1028.1 | -2 | W | 2 | $Z_0$ | 37 | 85 | 6 | 5 | - | - | 10 | 10 | 5700 | 0 | * |
| | S. Farnborough | 1028.6 | -2 | NW'W | 3 | c | 36 | 75 | 6 | 5 | - | - | 9 | 9 | 5700 | 0 | * |
| | Boscombe Down | 1030.0 | +4 | - | 0 | $Z_0$ | 31 | 85 | 6 | - | - | - | 0 | 0 | - | 3 | * |
| | Calshot (Sthmtn.) | 1029.1 | +2 | WNW | 3 | $Z_0$ | 38 | 75 | 6 | - | 4 | 9 | 0 | Tr | - | 0 | 1 |
| | Lympne ... | 1027.1 | -2 | NW'N | 3 | $Z_0$ | 35 | 75 | 5 | 5 | 7 | - | 4.6 | 9+ | 5700 | 0 | §1 |
| | Manston ... | 1025.7 | -6 | NW'N | 4 | $Z_0$ | 42 | 75 | 6 | 5 | - | - | 10 | 10 | 5700 | 1 | * |
| 2 | Shoeburyness... | 1026.5 | -2 | NW | 3 | c | 41 | 75 | 6 | 5 | 7 | - | 2-3 | 9+ | 7200 | 0 | * |
| | Felixstowe ... | 1026.0 | -2 | NW'W | 3 | c/pr | 41 | 75 | 6 | 5 | 7 | - | 2-3 | 10 | 1500 | 0 | 2 |
| | Gorleston ... | 1024.6 | -4 | NW | 4 | $r_0$ | 43 | 85 | 6 | 6 | - | - | 10 | 10 | 2500 | 1 | 2 |
| | Mildenhall ... | 1026.3 | 0 | NW'W | 4 | bc | 40 | 75 | 7 | 5 | - | 1 | 4.6 | 4.6 | 4000 | 0 | * |
| | Cranwell ... | 1027.2 | +10 | WNW | 4 | $Z_0$ | 42 | 75 | 6 | 5 | 4 | 5 | 7-8 | 7-8 | 4000 | 0 | * |
| 3 | Birmingham ... | 1028.4 | -6 | NW | 3 | $Z_0$ | 38 | 85 | 5 | - | 3 | - | 0 | 9 | - | 0 | * |
| | Upper Hayford | 1028.9 | -2 | NW'W | 3 | $Z_0$ | 36 | 85 | 6 | 5 | - | - | 9+ | 9+ | 4000 | 0 | * |
| 4 | Ross-on-Wye | 1029.8 | -4 | WSW | 1 | b | 32 | 85 | 8 | - | - | 1 | 0 | 1 | - | 0 | * |
| 5 | Bristol ... | 1029.8 | 0 | - | 0 | b | 33 | 85 | 7 | - | - | 1 | 0 | Tr | - | 0 | * |
| | Portland Bill ... | 1029.0 | +4 | NE | 3 | bc | 43 | 65 | 7 | 1 | - | - | 2-3 | 2-3 | 2500 | 0 | 3 |
| | Plymouth ... | 1029.9 | +2 | - | 0 | $Z_0$ | 35 | 92 | 5 | - | 4 | - | 0 | Tr | - | 0 | 1 |
| | The Lizard ... | 1029.8 | 0 | NW | 2 | b | 43 | 85 | 8 | - | - | - | 0 | 0 | - | 0 | 2 |
| | Scilly (St. Mary's) | 1030.5 | 0 | NNW | 1 | bc | 42 | 92 | 7 | 1 | - | - | 2-3 | 2-3 | 4000 | 0 | 1 |
| | Guernsey .. | 1029.4 | +2 | - | 0 | bc | 45 | 65 | 7 | - | 3 | - | 0 | 2-3 | - | 0 | 2 |
| 6 | Pembroke ... | 1030.4 | 0 | NNW | 2 | bc | 41 | 85 | 8 | 5 | 7 | - | 4.6 | 4.6 | 2500 | 0 | 1 |
| 7 | Holyhead ... | 1029.9 | -2 | NNW | 3 | c | 44 | 75 | 8 | 2 | 3 | 6 | 2-3 | 7-8 | 4000 | 0 | 1 |
| | Chester (Sealand) | 1029.5 | 0 | W'N | 1 | $Z_0$ | 39 | 85 | 6 | 5 | - | 7 | 7-8 | 9+ | 2500 | 0 | * |
| 8 | Manchester ... | 1029.0 | -2 | W'N | 2 | m/f | 37 | 91 | 4 | 5 | 4 | - | 7-8 | 9+ | 5700 | 1 | * |
| 10 | Spurn Head ... | 1025.9 | -8 | NW | 5 | q | 42 | 85 | 6 | 5 | 7 | - | 4.6 | 7-8 | 2500 | 0 | 3 |
| | Catterick ... | 1027.7 | -2 | NW | 3 | c | 42 | 75 | 8 | 5 | - | - | 9 | 9 | 2500 | 0 | * |
| | Tynemouth ... | 1027.4 | 0 | NW | 3 | c | 43 | 75 | 7 | 5 | - | - | 7-8 | 7-8 | 1500 | 0 | 2 |
| 11 | St. Abbs Head .. | 1027.8 | 0 | NW | 4 | c | 43 | 75 | 9 | 8 | 4 | 9 | 2-3 | 7-8 | 2500 | 0 | 3 |
| | Leuchars ... | 1028.3 | -2 | WNW | 2 | c | 42 | 75 | 9 | 5 | 7 | 2 | 2-3 | 9 | 4000 | 0 | * |
| 12 | Renfrew (Abbots I.) | 1029.4 | -2 | W'S | 1 | c | 34 | 92 | 8 | - | - | 6 | 0 | 7-8 | - | 0 | * |
| | Eskdalemuir ... | 1028.5 | -2 | N | 3 | c | 40 | 75 | 8 | 5 | - | 7 | 2-3 | 9 | 2500 | 0 | * |
| | Point of Ayre... | 1029.6 | 0 | NE | 3 | c | 44 | 85 | 8 | 2 | - | 6 | 1 | 9 | 2500 | 0 | 2 |
| 13a | Tiree ... ... | 1030.3 | 0 | WNW | 2 | c | 44 | 65 | 8 | 5 | - | - | 9+ | 9+ | 2500 | 0 | 2 |
| 13b | Stornoway ... | 1029.7 | -6 | W | 3 | c | 41 | 85 | 8 | 5 | - | 3 | 7-8 | 7-8 | 2500 | 1 | 1 |
| 15 | Dalwhinnie ... | 1030.1 | 0 | NE | 2 | c | 38 | 75 | 8 | 4 | 6 | 8 | 4-6 | 10 | 4000 | 0 | * |
| | Aberdeen ... | 1026.8 | 0 | NW'N | 4 | c | 43 | 75 | 8 | 7 | 7 | 6 | 2-3 | 9 | 2500 | 0 | 2 |
| | Wick ... | 1027.1 | 0 | NW | 3 | c | 43 | 85 | 8 | 5 | 7 | - | 7-8 | 9+ | 1500 | 1 | 2 |
| 16 | Lerwick ... | 1024.5 | -2 | NNW | 3 | c | 43 | 85 | 8 | 8 | 7 | - | 4.6 | 7-8 | 1500 | 0 | * |
| 17 | Blacksod Point | 1031.2 | 0 | NW | 3 | c | 44 | 85 | 8 | 5 | - | - | 7-8 | 7-8 | 2500 | 0 | 2 |
| 18 | Malin Head ... | 1031.0 | 0 | WSW | 1 | c | 43 | 85 | 8 | 4 | - | - | 9 | 9 | 4000 | 0 | 1 |
| | Aldergrove ... | 1031.4 | 0 | - | 0 | c | 31 | 97 | 8 | 5 | - | 8 | 7-8 | 9 | 2500 | 0 | * |
| 19 | Birr Castle ... | 1031.4 | +2 | NE | 1 | bc | 28 | 97 | 7 | - | - | 8 | c | 2-3 | - | 0 | * |
| 20 | Valentia Obsy. † | 1031.9 | -2 | - | 0 | b | 34 | 97 | 7 | - | - | - | 0 | 0 | - | 0 | 1 |
| | Roches Point | 1031.4 | * | N'E | 3 | b | 39 | 85 | 8 | - | - | - | 0 | 0 | - | 0 | 2 |

### PAST 24 HOURS.

| Stations | Temperature Max. Day 7h–18h °F. (31) | Temperature Min. Night 18h–7h °F (32) | Temperature Min. on Grass °F. (33) | Rainfall Day 7h–18h mm. (34) | Rainfall Night 18h–7h mm. (35) | Sunshine 18th Hrs. (36) |
|---|---|---|---|---|---|---|
| London (Kew) | 47 | 34 | 22 | Tr | - | 6.3 |
| Croydon ... | 48 | 32 | 24 | - | - | 4.8 |
| S. Farnborough | 48 | 26 | 15 | Tr | - | 6.3 |
| Boscombe Down | 50 | 29 | 24 | - | - | 8.3 |
| Calshot (Sthmtn.) | 52 | 36 | 31 | - | - | 8.9 |
| Lympne ... | 45 | 30 | 25 | 0.1 | - | 8.9 |
| Manston ... | 45 | 36 | 31 | 1 | - | 8.4 |
| Shoeburyness... | 50 | 31 | 21 | Tr | - | 6.7 |
| Felixstowe ... | 48 | 35 | 29 | 1 | Tr | 7.7 |
| Gorleston ... | 46 | 37 | 36 | 0.1 | 5 | 7.1 |
| Mildenhall ... | 48 | 31 | 25 | 0.1 | Tr | 7.8 |
| Cranwell ... | 48 | 38 | 32 | Tr | - | 2.7 |
| Birmingham ... | 49 | 33 | 26 | - | - | 6.9 |
| Upper Hayford | 49 | 32 | 28 | - | - | * |
| Ross-on-Wye | 51 | 27 | 16 | - | - | 11.4 |
| Bristol ... | 51 | 39 | 17 | - | - | 11.2 |
| Portland Bill ... | 50 | 39 | * | - | - | * |
| Plymouth ... | 53 | 33 | 29 | - | - | 13.1 |
| The Lizard ... | 49 | 37 | * | - | - | 12.5 |
| Scilly (St. Mary's) | 50 | 38 | * | - | - | 12.9 |
| Guernsey .. | 48 | 40 | 34 | - | - | 10.4 |
| Pembroke ... | 51 | 37 | * | - | - | 12.7 |
| Holyhead ... | 48 | 42 | 31 | - | - | 12.1 |
| Chester (Sealand) | 49 | 29 | 22 | - | - | 12.4 |
| Manchester ... | 50 | 33 | 25 | - | - | 3.6 |
| Spurn Head ... | 46 | 40 | * | 1 | - | 7.5 |
| Catterick ... | 48 | 40 | 35 | - | - | 3.5 |
| Tynemouth ... | 47 | 40 | 35 | - | - | 1.9 |
| St. Abbs Head .. | 45 | 41 | * | - | - | * |
| Leuchars ... | 50 | 37 | 31 | Tr | - | 0.1 |
| Renfrew (Abbots I.) | 49 | 33 | 30 | - | - | 4.1 |
| Eskdalemuir ... | 47 | 32 | 26 | - | - | 1.9 |
| Point of Ayre... | 51 | 43 | * | - | - | 10.7 |
| Tiree ... ... | 48 | 42 | 37 | Tr | - | 1.6 |
| Stornoway ... | 47 | 38 | * | 0.1 | 0.2 | 0.7 |
| Dalwhinnie ... | 44 | 36 | 30 | 0.1 | - | 1.4 |
| Aberdeen ... | 48 | 40 | 37 | Tr | Tr | 1.5 |
| Wick ... | 47 | 38 | * | Tr | 2 | * |
| Lerwick ... | 49 | 40 | * | - | Tr | 7.0 |
| Blacksod Point | 52 | 35 | * | - | - | * |
| Malin Head ... | 47 | 37 | * | - | - | 9.5 |
| Aldergrove ... | 51 | 27 | 21 | - | - | 10.6 |
| Birr Castle ... | 55 | 28 | * | - | - | 12.7 |
| Valentia Obsy. † | 56 | 32 | 28 | - | Tr | 10.3 |
| Roches Point | 50 | 36 | * | - | - | * |

### LONDON OBSERVATIONS

Day 7h—18h. Kew & Croydon.
9h—18h. Kensington.
9h—21h. other stations except for rainfall which is 9h—18h.

| | Height above M.S.L. in feet | Weather Morning (24 hrs. ended 9h.) | Weather Afternoon (24 hrs. ended 9h.) | Weather Night (24 hrs. ended 9h.) | Temperature Day Max. °F. | Temperature Night Min. °F. | Temperature Min. on Grass °F. | Rainfall Day mm. | Rainfall Night mm. | Sunshine to Sunset hrs. (Yesterday) | Humidity 15h. G.M.T. % (Yesterday) | Humidity 9h. G.M.T. % (To-day) | Visibility 9h. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kew ... | 18 | bcz.oy | cpr.bcc | cybcm | 47 | 34 | 22 | Tr | - | 6.3 | * | * | 5 |
| Croydon ... | 217 | bc,czy | rz.y | bz.xcm | 48 | 32 | * | - | - | 4.8 | * | * | 5 |
| Greenwich (Royal Observatory) ... | 149 | bcy | cy | cbxcy | 47 | 33 | 18 | - | - | 4.8 | 50 | 52 | 5 |
| City (Bunhill Row) ... ... ... | — | * | * | * | * | * | * | * | * | 4.4 | * | * | * |
| Westminster (St. James' Park) ... | 27 | * | * | * | 49 | 35 | 28 | - | - | 5.0 | 60 | 67 | * |
| Kew Pk. (Botanic Gardens)† ... | 168 | * | * | * | 49 | 35 | 25 | - | Tr | 4.6 | 69 | 76 | * |
| Camden Square ... ... ... | 110 | bbc | c | * | 48 | 36 | 24 | - | - | * | * | 58 | * |
| Kensington ... ... ... ... | 80 | bcc | c | * | 48 | 35 | 25 | - | - | 5.8 | At 18h. 54 | 66 | * |
| Hampstead Observatory ... ... | 430 | c | c | bc | 47 | 32 | 25 | - | - | 5.2 | * | 79 | * |

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. 19th

| South Kensington Max. | Time | Min. | Time. |
|---|---|---|---|
| 0.3 | 23-24h 18th | 0.3 | 12-14h 18th |

| Kew Observatory Max. | Time. | Min. | Time. |
|---|---|---|---|
| Defective | | record | |

### FOREIGN OBSERVATIONS.

| Stations | 18h. G.M.T. 18th April Barom. mb. | Wind Direc. | Wind Force | Weather | Temp. °F. | 7h. G.M.T. 19th April Barom. mb. | Wind Direc. | Wind Force | Weather | Temp. °F. | Past 24 Hours Max. Day °F. | Min. Night °F. | Rainfall Day mm. | Rainfall Night mm. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Paris ... | 1026.5 | NE | 4 | bc | 45 | 1027.1 | W | 2 | $Z_0$ | 36 | 50 | 28 | - | - |
| Brussels ... | 1025.8 | N | 5 | b | 41 | 1023.4 | W | 3 | phr | 36 | 50 | 28 | 0.3 | Tr |
| Berlin ... | 1018.2 | NW | 4 | c | 36 | 1020.2 | SW | 2 | b | 34 | 41 | * | 0.3 | * |
| Zurich ... | 1019.5 | ESE | 2 | bc | 43 | 1020.1 | NNE | 2 | b | 32 | Tr | 30 | 48 | - |
| Rome ... | 1007.4 | SE | 4 | id. | 52 | 1006.6 | N | 2 | id. | 52 | * | * | 2 | 1 |

## EXPLANATION OF FIGURES, LETTERS, etc.

**COLUMNS 2, 16.**
The barometric tendency is expressed in tenths of a millibar.

**COLUMNS 4, 18.**
The Beaufort Scale of Wind is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers is the speed at about 30 feet above the ground.

| Beaufort No | Statute m/h. | Beaufort No. | Statute m/h. | Beaufort No. | Statute m/h. |
|---|---|---|---|---|---|
| 0 | <1 | 4 | 13–18 | 9 | 47–54 |
| 1 | 1–3 | 5 | 19–24 | 10 | 55–63 |
| 2 | 4–7 | 6 | 25–31 | 11 | 64–75 |
| 3 | 8–12 | 7 | 32–38 | 12 | > 75 |
| | | 8 | 39–46 | | |

**COLUMNS 34, 35.**
Tr. = rain has fallen, but amount less than 0·1 mm.

**COLUMNS 8, 22.—Code for surface visibility.**

| | Objects not visible at |
|---|---|
| 0 Dense fog | 55 yards. |
| 1 Thick fog | 220 ,, |
| 2 Fog | 550 ,, |
| 3 Moderate fog | 1,100 ,, |
| 4 Mist or haze | 1½ miles. |
| 5 Poor visibility | 2½ ,, |
| 6 Moderate ,, | 6½ ,, |
| 7 Good ,, | 12½ ,, |
| 8 Very good ,, | 31 ,, |
| 9 Excellent ,, | beyond 31m. |

**COLUMN 30.—Code for State of Sea.**

| | |
|---|---|
| 0 Calm. | 5 Very rough. |
| 1 Smooth. | 6 High. |
| 2 Slight. | 7 Very high. |
| 3 Moderate. | 8 Precipitous. |
| 4 Rough. | 9 Confused. |

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METEOROLOGICAL OFFICE, AIR MINISTRY, ADASTRAL HOUSE, KINGSWAY, LONDON, W.C.2.

George C. Simpson, K.C.B., D.Sc., F.R.S., Director.

† 1 hr. observations are from Valentia W/T Station. ‡ Maximum and Minimum Temperatures are for the 24 hours ending 8 h. § Sea disturbance reported from Dungeness.

Page 1.

AIR MINISTRY.

# THE DAILY WEATHER REPORT

## OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Wednesday 20th April, 1938.
No. 27908.

### OBSERVATIONS at 13h. G.M.T. 19th April

| District | Stations (For heights see p. 4.) | Barom. at M.S.L. mb. (1) | Change in 3 hours (2) | Wind Direc. (3) | Wind Force 0–12 (4) | Weather (5) | °F. Temp. (6) | % Humid. (7) | Visibility 0–9 (8) | Cloud Form Low (9) | Cloud Form Med. (10) | Cloud Form High (11) | Amount Low 0–10 (12) | Amount Total 0–10 (13) | Height of Base (feet) (14) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | London (Kew) | 1026·7 | -12 | NNW | 3 | z₀ | 51 | 45 | 6 | 5 | - | - | 9 | 9 | 2500 |
| | Croydon | 1026·5 | -10 | NNW | 3 | c | 51 | 35 | 6 | 2 | 6 | - | 7·8 | 9 | 5700 |
| | S. Farnborough | 1026·8 | -14 | NNW | 4 | c | 52 | 45 | 7 | 5 | - | - | 9+ | 9+ | 4000 |
| | Boscombe Down | 1027·7 | -10 | NNW | 3 | c | 51 | 35 | 8 | 7 | - | - | 9 | 9 | 4000 |
| | Calshot (Sthmtn.) | 1027·3 | -10 | NNW | 3 | c | 52 | 45 | 8 | 5 | - | - | 9+ | 9+ | 4000 |
| | Lympne | 1025·5 | -8 | NNW | 4 | c | 50 | 45 | 8 | 7 | 8 | - | 7·8 | 9 | 4000 |
| | Manston | 1024·8 | -8 | NWN | 4 | c | 49 | 65 | 7 | 8 | 7 | - | 2·3 | 9 | 4000 |
| 2 | Shoeburyness | 1025·4 | -6 | NNW | 4 | c | 53 | 55 | 8 | 8 | - | - | 9 | 9 | 1500 |
| | Felixstowe | 1025·0 | -6 | NNW | 4 | bc/pr | 48 | 85 | 8 | 8 | 3 | 8 | 2·3 | 4·6 | 2500 |
| | Gorleston | 1023·6 | 0 | NNW | 6 | ir₀ | 45 | 85 | 6 | 8 | - | - | 10 | 10 | 2500 |
| | Mildenhall | 1025·8 | -2 | N'W | 5 | pr₀ | 49 | 75 | 8 | 8 | - | - | 9 | 9 | 2500 |
| | Cranwell | 1026·7 | -4 | NW | 4 | jp | 49 | 65 | 7 | 8 | - | - | 9+ | 9+ | 2500 |
| 3 | Birmingham | 1027·4 | -12 | NW | 3 | c | 49 | 45 | 7 | 8 | - | - | 10 | 10 | 2500 |
| | Upper Heyford | 1027·4 | -6 | NW | 3 | z₀ | 50 | 45 | 6 | 5 | - | - | 9 | 9 | 4000 |
| 4 | Ross-on-Wye | 1027·7 | -10 | NNW | 3 | c | 51 | 45 | 8 | 7 | - | 8 | 7·8 | 9 | 4000 |
| 5 | Bristol | 1028·3 | -20 (-60) | NNW | 2 | c | 50 | 45 | 8 | 8 | - | 8 | 4·6 | 9 | 4000 |
| | Portland Bill | 1028·7 | -6 | NE | 2 | c | 50 | 55 | 7 | 2 | - | - | 7·8 | 7·8 | 2500 |
| | Plymouth | 1028·2 | -8 | SSE | 3 | z₀ | 50 | 75 | 6 | 7 | - | - | 4·6 | 4·6 | 4000 |
| | The Lizard | 1029·0 | -2 | N'W | 4 | bc | 54 | 55 | 8 | 4 | - | - | 2·3 | 2·3 | 2500 |
| | Scilly (St. Mary's) | 1030·5 | -2 | NE'N | 3 | bc | 52 | 65 | 8 | 1 | - | 1 | 2·3 | 4·6 | 4000 |
| | Guernsey | 1028·6 | -8 | NW | 1 | bc | 50 | 55 | 7 | 1 | 3 | - | 2·3 | 2·3 | 2500 |
| 6 | Pembroke | 1029·7 | -4 | NW | 3 | bc | 50 | 92 | 8 | 8 | 6 | - | 4·6 | 4·6 | 2500 |
| 7 | Holyhead | 1029·2 | -4 | NNW | 3 | bc | 49 | 75 | 8 | 2 | - | 4 | 4·6 | 4·6 | 2500 |
| | Chester (Sealand) | 1028·7 | -4 | NW | 4 | bc | 51 | 55 | 8 | 8 | - | 2 | 2·3 | 4·6 | 2500 |
| 8 | Manchester | 1028·0 | -4 | NW | 3 | c | 50 | 45 | 8 | 7 | - | - | 10 | 10 | 4000 |
| 10 | Spurn Head | 1025·4 | 0 | N'W | 6 | c | 49 | 75 | 7 | 4 | 3 | 9 | 4·6 | 7·8 | 1500 |
| | Catterick | 1027·4 | -2 | ENE | 2 | c | 48 | 65 | 7 | 8 | 3 | - | 7·8 | 9+ | 4000 |
| | Tynemouth | 1027·5 | 0 | NNW | 4 | c | 46 | 75 | 8 | 2 | 4 | - | 4·6 | 7·8 | 1500 |
| 11 | St. Abbs Head | 1027·3 | 0 | NW | 2 | c | 47 | 65 | 9 | 2 | 4 | 9 | 2·3 | 7·8 | 2500 |
| | Leuchars | 1027·1 | -10 | NW | 2 | c | 52 | 55 | 9 | 8 | 7 | 2 | 7·8 | 9 | 2500 |
| 12 | Renfrew (Abbots I.) | 1027·8 | -8 | W | 1 | bc | 55 | 45 | 9 | 1 | - | 1 | 2·3 | 2·3 | 5700 |
| | Eskdalemuir | 1027·3 | -4 | NE | 3 | c | 50 | 45 | 8 | 7 | - | - | 7·8 | 7·8 | 2500 |
| | Point of Ayre | 1029·4 | -2 | NW | 3 | bc | 54 | 55 | 8 | 7 | 3 | 1 | 1 | 4·6 | 2500 |
| 13A | Tiree | 1029·8 | -4 | NWN | 3 | c | 47 | 65 | 9 | 5 | - | - | 9+ | 9+ | 2500 |
| 13B | Stornoway | 1028·2 | -4 | WSW | 4 | c/pr | 48 | 65 | 9 | 8 | - | - | 9+ | 9+ | 1500 |
| 15 | Dalwhinnie | | | | | | | | | | | | | | |
| | Aberdeen | 1026·8 | -2 | NNW | 4 | c/pr | 46 | 85 | 8 | 9 | - | 3 | 7·8 | 7·8 | 1500 |
| | Wick | 1026·5 | -2 | NW | 4 | c | 48 | 75 | 8 | 8 | 7 | - | 4·6 | 7·8 | 1500 |
| 16 | Lerwick | 1024·0 | -6 | NNW | 3 | c | 48 | 65 | 8 | 5 | 7 | 1 | 4·6 | 7·8 | 1500 |
| 17 | Blacksod Point | 1031·0 | -2 | W | 2 | c | 51 | 65 | 8 | 5 | - | - | 10 | 10 | 1500 |
| 18 | Malin Head | 1030·4 | -2 | NNW | 2 | c | 47 | 75 | 8 | 4 | 3 | - | 7·8 | 9+ | 4000 |
| | Aldergrove | 1030·3 | -6 | NWN | 3 | c | 49 | 55 | 8 | 5 | - | - | 9 | 9 | 4000 |
| 19 | Birr Castle | 1030·3 | -6 | N | 1 | bc | 55 | 55 | 8 (4) | 1 | - | - | 2·3 | 2·3 | 4000 |
| 20 | Valentia Obsy. † | 1031·4 | -2 | WN | 3 | b | 51 | 65 | 8 | 1 | - | 1 | Tr | Tr | 4000 |
| | Roches Point | 1030·2 | * | S'W | 3 | bc | 54 | 75 | 8 | 1 | - | - | 4·6 | 4·6 | 4000 |

### OBSERVATIONS at 18h. G.M.T. 19th April

| Stations | Barom. at M.S.L. mb. (15) | Change in 3 hours (16) | Wind Direc. (17) | Wind Force 0–12 (18) | Weather (19) | °F. Temp. (20) | % Humid. (21) | Visibility 0–9 (22) | Cloud Form Low (23) | Cloud Form Med. (24) | Cloud Form High (25) | Amount Low 0–10 (26) | Amount Total 0–10 (27) | Height of Base (feet) (28) | State of Ground 0–9 (29) | Sea 0–9 (30) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| London (Kew) | 1026·2 | +2 | N'W | 3 | z₀ | 48 | 65 | 6 | 5 | 3 | 6 | 4·6 | 7·8 | 4000 | 0 | * |
| Croydon | 1026·2 | +2 | NW'N | 2 | z₀ | 49 | 55 | 5 | 4 | 6 | 2 | 2·3 | 9 | 5700 | 0 | * |
| S. Farnborough | 1026·4 | +2 | NE'N | 3 | z₀ | 49 | 55 | 6 | 5 | - | - | 10 | 10 | 5700 | 0 | * |
| Boscombe Down | 1026·6 | -2 | NNW | 3 | c | 50 | 45 | 8 | 7 | - | - | 7·8 | 7·8 | 4000 | 0 | * |
| Calshot (Sthmtn.) | 1026·4 | -2 | NNW | 2 | bc | 51 | 55 | 7 | 5 | 7 | - | 4·6 | 4·6 | 4000 | 0 | § 1 |
| Lympne | 1025·1 | +4 | N'E | 4 | pr₀ | 46 | 75 | 7 | 9 | - | - | 9+ | 9+ | 1500 | 1 | 2 |
| Manston | 1024·8 | +4 | N'E | 4 | c/pr | 45 | 75 | 7 | 5 | - | - | 9 | 9 | 4000 | 1 | * |
| Shoeburyness | 1025·2 | 0 | N'W | 3 | c | 47 | 75 | 8 | 8 | 7 | - | 7·8 | 9 | 2500 | 0 | * |
| Felixstowe | 1025·0 | 0 | NW'N | 4 | c/pr | 47 | 75 | 8 | 9 | 3 | - | 4·6 | 7·8 | 1500 | 1 | 3 |
| Gorleston | 1024·4 | +4 | NW | 5 | c/r | 46 | 85 | 6 | 8 | - | - | 9 | 9 | 2500 | 1 | 3 |
| Mildenhall | 1025·8 | +2 | N'E | 3 | c | 47 | 75 | 8 | 8 | 4 | 9 | 2·3 | 7·8 | 2500 | 0 | * |
| Cranwell | 1026·6 | +2 | NW | 3 | c | 48 | 65 | 7 | 8 | 7 | - | 7·8 | 9+ | 2500 | 0 | * |
| Birmingham | 1026·6 | 0 | N | 2 | z₀ | 49 | 55 | 5 | - | 3 | - | 0 | 9+ | - | 0 | * |
| Upper Heyford | 1027·0 | +2 | N'W | 2 | z₀ | 48 | 65 | 6 | 5 | - | - | 10 | 10 | 5700 | 0 | * |
| Ross-on-Wye | 1026·8 | -4 | NW | 2 | bc | 51 | 45 | 8 | 5 | - | - | 4·6 | 4·6 | 4000 | 0 | * |
| Bristol | 1027·4 | -2 | W'N | 2 | c | 49 | 65 | 8 | 5 | - | 8 | 4·6 | 7·8 | 4000 | 0 | * |
| Portland Bill | 1027·0 | -14 | W | 2 | c | 50 | 65 | 7 | 2 | - | - | 7·8 | 7·8 | 2500 | 0 | 2 |
| Plymouth | 1027·6 | +2 | S | 2 | z₀ | 48 | 75 | 6 | 8 | 7 | - | 9 | 9+ | 4000 | 0 | 1 |
| The Lizard | 1028·3 | 0 | N | 4 | bc | 49 | 55 | 8 | 2 | - | - | 2·3 | 2·3 | 2500 | 0 | 2 |
| Scilly (St. Mary's) | 1029·3 | -2 | N'E | 4 | bc | 49 | 75 | 8 | 1 | - | 3 | 2·3 | 4·6 | 2500 | 0 | 2 |
| Guernsey | 1027·5 | -4 | NW'W | 1 | bc | 49 | 65 | 7 | - | 1 | 8 | 0 | 4·6 | - | 0 | 2 |
| Pembroke | 1029·2 | -12 | N'W | 3 | bc | 48 | 65 | 8 | 5 | 7 | - | 2·3 | 4·6 | 2500 | 0 | 1 |
| Holyhead | 1028·9 | -4 | NW'N | 3 | b | 48 | 65 | 9 | 1 | - | 2 | Tr | 1 | 4000 | 0 | 1 |
| Chester (Sealand) | 1028·6 | +4 | NW'W | 4 | bc | 48 | 65 | 8 | 5 | - | - | 4·6 | 4·6 | 2500 | 0 | * |
| Manchester | 1027·5 | 0 | NW | 4 | bc | 50 | 45 | 8 | 7 | 3 | - | 4·6 | 4·6 | 4000 | 0 | * |
| Spurn Head | 1025·8 | +4 | N'W | 5 | c | 46 | 85 | 7 | 4 | - | 6 | 7·8 | 7·8 | 1500 | 0 | 3 |
| Catterick | 1027·1 | -2 | - | 0 | bc | 48 | 55 | 8 | 7 | - | - | 4·6 | 4·6 | 5700 | 0 | * |
| Tynemouth | 1027·1 | +2 | N | 3 | bc | 46 | 85 | 8 | 2 | 4 | - | 2·3 | 4·6 | 1500 | 0 | 2 |
| St. Abbs Head | 1026·7 | 0 | - | 0 | c | 46 | 65 | 9 | 5 | 6 | - | 7·8 | 9 | 2500 | 0 | 2 |
| Leuchars | 1026·7 | 0 | SE | 2 | bc | 50 | 65 | 9 | 7 | - | - | 4·6 | 4·6 | 5700 | 0 | * |
| Renfrew (Abbots I.) | 1027·2 | +2 | WNW | 4 | b | 49 | 55 | 9 | 1 | - | 1 | Tr | Tr | 5700 | 0 | * |
| Eskdalemuir | 1026·4 | -2 | WNW | 3 | bc | 51 | 55 | 7 | 5 | - | - | 4·6 | 4·6 | 2500 | 0 | * |
| Point of Ayre | 1028·7 | -2 | NNW | 4 | b | 49 | 65 | 8 | 4 | - | 1 | Tr | 1 | 4000 | 0 | 2 |
| Tiree | 1029·1 | -4 | W'S | 2 | c | 45 | 65 | 9 | 5 | - | - | 9+ | 9+ | 4000 | 0 | 1 |
| Stornoway | 1027·2 | -6 | WSW | 4 | pr₀ | 47 | 65 | 8 | 8 | 7 | - | 9 | 9+ | 4000 | 1 | 2 |
| Dalwhinnie | 1028·1 | -2 | NW | 2 | c | 42 | 65 | 8 | 4 | 6 | - | 4·6 | 7·8 | 4000 | 0 | * |
| Aberdeen | 1026·6 | +2 | NNW | 3 | c | 48 | 55 | 8 | 7 | - | - | 9 | 9 | 1500 | 0 | 1 |
| Wick | 1026·2 | +2 | WNW | 4 | c | 46 | 75 | 8 | 5 | 6 | - | 4·6 | 7·8 | 1500 | 1 | 2 |
| Lerwick | 1023·6 | 0 | WNW | 3 | pr₀ | 45 | 75 | 8 | 8 | 7 | - | 4·6 | 7·8 | 1500 | 1 | * |
| Blacksod Point | 1030·6 | 0 | W | 2 | c | 50 | 65 | 8 | 5 | - | - | 7·8 | 7·8 | 1500 | 0 | 2 |
| Malin Head | 1030·2 | -2 | NNW | 1 | bc | 46 | 75 | 8 | 4 | 4 | 9 | 1 | 4·6 | 4000 | 0 | 1 |
| Aldergrove | 1029·4 | +2 | N | 3 | bc | 50 | 55 | 8 | 5 | - | 5 | 4·6 | 4·6 | 4000 | 0 | * |
| Birr Castle | 1029·0 | -8 | NW | 1 | bc | 55 | 55 | 7 | 1 | - | - | 2·3 | 2·3 | 4000 | 0 | * |
| Valentia Obsy. † | 1030·7 | +2 | NW | 3 | b | 51 | 65 | 8 | 1 | - | 1 | Tr | Tr | 4000 | 0 | 1 |
| Roches Point | 1028·9 | * | N | 2 | b | 56 | 55 | 8 | 1 | - | - | 1 | 1 | 4000 | 0 | 2 |

### PAST 24 HOURS. Weather

| Stations | 7h.—13h. 19th (37) | 13h.—18h. 19th (38) | 18h. 19th to 1h. 20th (39) | 1h.—7h. 20th (40) |
|---|---|---|---|---|
| London (Kew) | cz₀y | ycz₀ | cm₀bf | bfxcm |
| Croydon | cz₀y | cz₀y | cz₀ybmw | bmxbcm |
| S. Farnborough | cbccy | cy | cz₀vbm₀x | bbcm₀xc |
| Boscombe Down | bm₀bycy | cy | cb | bz₀ |
| Calshot (Sthmtn.) | bz₀bcy | cbcy | bcybm₀ | bbcm₀ |
| Lympne | cm₀cy | bccpb | cprbcbw | bwbcc |
| Manston | cir₀m₀c | cpr ir₀c | cb,c | cbc |
| Shoeburyness | cbccy | ycpr₀c | cbx | bxc |
| Felixstowe | cpr₀bc | cPRcv | cbcbw | bwbc |
| Gorleston | oir₀q | ocir₀ | opcc | cpcc |
| Mildenhall | ccpr₀ | cpr₀cvbc | bcwbxbc | bcawxcm |
| Cranwell | cz₀pr₀ | cpr₀ | cbcbm₀ | b,cm,m |
| Birmingham | cbcc | cz | cbc | bcb |
| Upper Heyford | cbcm₀ | cz₀y | cz₀ | cm₀ |
| Ross-on-Wye | bbybafaf | cy | bcb | bx |
| Bristol | bbccy | cbcy | bcm₀ | bcxm₀b |
| Portland Bill | bcc | c | bc | bcb |
| Plymouth | bm₀bcz₀ | bcc | cz₀b | bm₀w |
| The Lizard | bcy | bcy | bcb | bbcw |
| Scilly (St. Mary's) | bccbc | bc | bcb | bbc |
| Guernsey | bc | bc | bcw | bcwbz |
| Pembroke | bc | bc | bx | bbc |
| Holyhead | cbc | bccbv | bvm | bwbc |
| Chester (Sealand) | cm₀bcy | bcy | bcb | bwxc |
| Manchester | cm₀fbcc | cybcy | bcyb | bfcfc,cf |
| Spurn Head | p₀cq | c | cw | c |
| Catterick | cyc | cbcy | bcycm₀ | cbcm₀ |
| Tynemouth | bcc | bccbc | bcc | c |
| St. Abbs Head | c | c | c | c |
| Leuchars | cbcvcy | cycbc | bcc | cbcc |
| Renfrew (Abbots I.) | bcy | bbcy | bbc | bcm₀ |
| Eskdalemuir | bcycy | cybcy | bcyb | bbcx |
| Point of Ayre | cbc | bcb | bbcbc | bcc |
| Tiree | c | c | c | c |
| Stornoway | cpr₀ | cpr₀ | cpr₀ | cpr₀ |
| Dalwhinnie | | c | | c |
| Aberdeen | cpr | cbcc | ccz₀ | cz₀ |
| Wick | cprc | c | cbcc | c |
| Lerwick | c | cpr | cpr | c |
| Blacksod Point | c | c | c | c |
| Malin Head | cb | cvbc | bcc | c |
| Aldergrove | bcccy | cybcy | bcbc | xbcwc |
| Birr Castle | bc | bc | bcb | bcbbcc |
| Valentia Obsy. † | bwyb | b | bbw | bxbcx |
| Roches Point | bbc | bcby | byb | b |

## EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

### COLUMNS 5, 19, 37, 38, 39, 40—BEAUFORT NOTATION AND SYMBOLS FOR WEATHER.

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog „ less than 220 yds.
fs, low fog over sea (coast station).
fg, low fog over land (inland station).
m. mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jf, fog at a distance, but not at station.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/s₀, slight storm of drifting snow (generally low).
k/S, heavy storm of drifting snow (generally low).
s₀/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze: the turbid atmosphere of dry weather.
h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus R, heavy rain. r₀, slight rain. rr, continuous rain.
<, less than (for cloud height).
⊕, Solar halo. Ⓛ lunar halo. ↗ gale.

With present weather is combined, whenever possible, the general character of the weather.

A "solidus" divides actual existing weather from preceding conditions thus:—bc/r, fair weather after rain; —, has decreased; +, has increased.

### COLUMNS 9, 23.—FORM OF LOW CLOUD.

0 No low clouds.
1 Fair weather Cu.
2 Large Cu without anvil.
3 Cb.
4 Sc formed by the spreading out of Cu.
5 Layer of St or Sc.
6 Ragged low clouds of bad weather (or fractonimbus).
7 Fair weather Cu. and Sc.
8 Large-Cu (or Cb) and Sc.
9 Large-Cu (or Cb) and ragged low clouds of bad weather.

### COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4-6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries. "tr" signifies a small amount of cloud (trace) covering less than 1/20 of the sky. "9+" signifies an overcast sky with a few small openings.

### COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

0 No medium clouds.
1 Typical As (thin).
2 Typical As (thick) (sun or moon invisible), or Nimbostratus (Ns).
3 Single layer of Ac or high Sc.
4 Ac in isolated patches. Individually decreasing (often lenticular).
5 Ac in bands (increasing).
6 Ac formed from the spreading out of Cu.
7 Ac associated with As or As with parts resembling Ac.
8 Ac Castellatus (or Ac in ragged fragments).
9 Ac in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

### COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

0 No cirriform cloud.
1 Fine Ci not increasing: sparse.
2 Fine Ci not increasing: abundant but not a continuous layer.
3 Anvil Ci (usually dense).
4 Fine Ci increasing: usually in tufts.
5 Ci or Cs increasing: still below 45° altitude: often in polar bands.
6 Ci or Cs increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Cs covering whole sky.
8 Cs not increasing and not covering whole sky.
9 Cc predominating, and a little cirrus.
(Cc may occur with any of the types 1 to 8).

Cloud form abbreviations:—
Cirrus,–Ci: Cirrocumulus,–Cc: Cirrostratus,–Cs: Altocumulus,–Ac: Altostratus,–As
Stratocumulus,–Sc: Stratus,–St: Nimbostratus,–Ns: Cumulus,–Cu: Cumulonimbus,–Cb

### COLUMN 29.—STATE OF GROUND.

0 .. Ground dry.
1 .. „ wet.
2 .. „ flooded.
3 .. „ frozen hard and dry.
4 .. „ partly covered with snow or hail.
5 .. „ covered with ice or glazed frost.
6 .. Ground covered with thawing snow.
7 .. „ covered with snow, less than 6 ins., deep but ground not frozen.
8 .. „ covered with snow, less than 6 ins., but ground frozen.
9 .. „ covered with snow greater than 6 ins. deep.

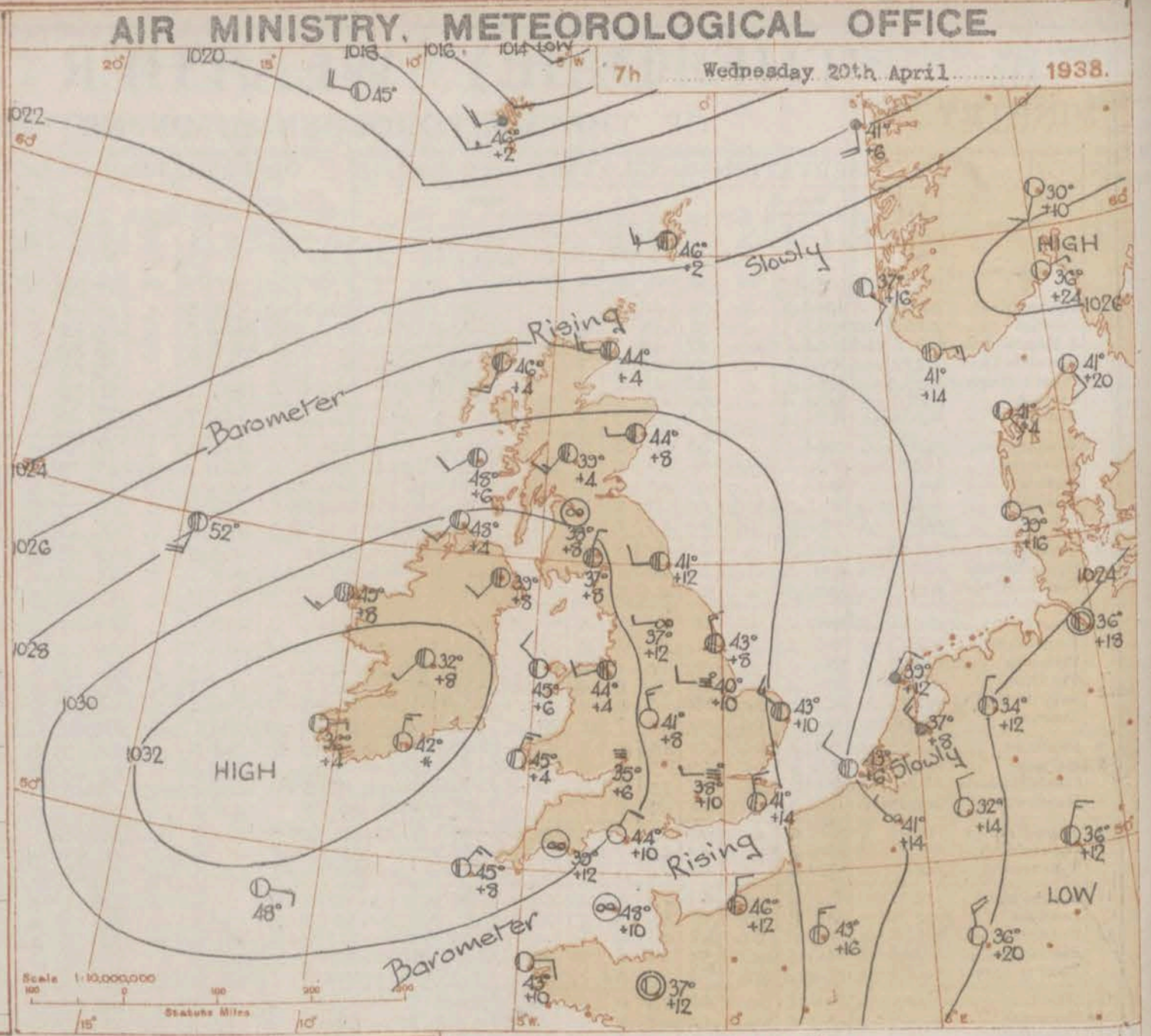
NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

§ Sea disturbance reported from Dungeness.

REPORTS from HEALTH RESORTS for 19th April 1938.

| Districts. | Stations. | Weather. Forenoon. | Weather. Afternoon. | Temperature (°F.) Min. 9h. 19th to 9h. 19th | Temperature (°F.) Max. 9h.—17h. 19th | Rainfall (mm.) Night. 17h. 18th to 9h. 19th | Rainfall (mm.) Day. 9h.—17h. 19th | Sunshine (Hrs.) Sunrise to 17h. 19th | Sunshine (Hrs.) Sunrise to Sunset. 18th |
|---|---|---|---|---|---|---|---|---|---|
| 1 | Tunbridge W. | bcc | ocbc | 24 | 52 | – | – | 4·2 | 5·2 |
| | Bournemouth | b | bcc | 32 | 56 | – | – | 7·0 | 11·1 |
| | Ventnor ... | bbc | bcz | 36 | 53 | – | – | 6·9 | 8·6 |
| | Southsea ... | bbc | bc | 36 | 55 | – | – | 5·0 | 7·8 |
| | Bognor Regis | bccbc | bc | 33 | 54 | – | – | 5·2 | 7·6 |
| | Littlehampton | bc | bc | 31 | 56 | – | – | 8·0 | 8·0 |
| | Worthing ... | cbcb | b | 36 | 55 | – | – | 8·9 | 6·4 |
| | Brighton ... | bcb | b | 35 | 56 | – | – | 8·4 | 7·4 |
| | Eastbourne† ... | cbcy | bcyb | 37 | 56 | – | – | 7·2 | 6·4 |
| | Hastings† ... | cbc | bc | 34 | 55 | – | – | 6·5 | 6·6 |
| | Folkestone ... | bccrc | crbcc | 34 | 54 | Trace | Trace | 2·5 | 8·4 |
| | Dover ... | obbc | bccp | 35 | 53 | 0·3 | 0·3 | 3·1 | 8·4 |
| | Deal ... ... | oc | cpcp | 34 | 54 | – | Trace | 3·9 | 7·8 |
| | Ramsgate ... | c | cdc | 40 | 51 | – | Trace | 4·8 | 8·7 |
| | Margate ... | cbc | bccp | 39 | 49 | – | 0·3 | 3·4 | 8·7 |
| 2 | Southend ... | bbc | crbc | 37 | 54 | – | – | 6·3 | 7·4 |
| | Clacton-on-Sea | cbcc | cpbcc | 32 | 53 | – | 0·2 | 3·2 | 8·1 |
| | Dovercourt ... | oc | bcpbc | 35 | 51 | – | 0·3 | 3·4 | 9·0 |
| | Lowestoft ... | cirbc | cir | 30 | 49 | 5 | 0·4 | 3·2 | 9·0 |
| | Skegness ... | bcp | b | 35 | 51 | – | Trace | 5·8 | 6·1 |
| | Mablethorpe... | bccp | bbc | 30 | 50 | – | Trace | 5·6 | 7·0 |
| | Cleethorpes ... | bcr | bc | 37 | 51 | – | Trace | 4·7 | 7·3 |
| 3 | Leamington S. | bcc | c | 33 | 53 | – | – | 1·9 | 3·6 |
| 4 | Cheltenham† | bybcc | cbcc | 29 | 56 | – | – | 5·0 | 9·5 |
| 5 | Bath ... ... | bbc | bcc | 28 | 55 | – | – | 7·8 | 11·8 |
| | Weymouth ... | b | bc | 32 | 54 | – | – | 8·8 | 10·9 |
| | Jersey ... | b | b | 39 | 55 | – | – | 11·3 | 9·3 |
| | Torquay ... | bzy | bbcy | 34 | 51 | – | – | 9·7 | 13·0 |
| | Falmouth | b | b | 36 | 53 | – | – | 10·5 | 12·9 |
| | Penzance ... | b | b | 37 | 54 | – | – | 10·9 | 12·7 |
| | St. Ives ... | b | b | 42 | 58 | – | – | 9·4 | 13·4 |
| | Bude... ... | bcb | b | 30 | 50 | – | – | 10·4 | 12·9 |
| | Ilfracombe ... | bcbbc | cbcb | 37 | 51 | – | – | 10·4 | 12·5 |
| 6 | Aberystwyth | bcc | bcc | 33 | 48 | – | – | 3·9 | 12·9 |
| 7 | Llandudno ... | bcb | b | 38 | 51 | – | – | 8·9 | 12·6 |
| | Colwyn Bay... | cbc | bcbbc | 36 | 49 | – | – | 10·0 | 12·0 |
| | Rhyl ... ... | cbcb | b | 32 | 50 | 0·1 | – | 8·6 | 12·0 |
| 8 | Wallasey ... | bcb | b | 42 | 54 | – | – | 10·3 | 12·1 |
| | Southport ... | bcb | bbcb | 37 | 55 | – | – | 10·2 | 11·9 |
| | Blackpool ... | bcb | bbc | 39 | 51 | – | – | 8·9 | 12·2 |
| | Morecambe ... | bccbc | bccbc | 39 | 53 | – | – | 6·6 | 10·6 |
| 9 | Ilkley... ... | c | c | 39 | 50 | – | – | 0·1 | 4·6 |
| | Harrogate ... | c | cbc | 39 | 49 | – | – | 0·9 | 5·4 |
| 10 | Berwick-on-T. | c | bcc | 38 | 50 | – | – | 6·2 | 1·2 |
| 11 | Dunbar ... | cmr | bc | 38 | 51 | Trace | – | 5·7 | 0·5 |
| 12 | Troon... ... | bbcb | bbccb | 33 | 52 | – | – | 9·8 | 4·4 |
| | Douglas ... | b | b | 40 | 51 | – | – | 9·2 | 11·7 |

† Max. Temp. for period 21h. yesterday to 17h. to-day: Min. Temp. 21h.-9h.




BAROMETER. Isobars are drawn for intervals of two millibars.
WIND, WEATHER SYMBOLS. For explanation see opposite page.
SEA DISTURBANCE ~~ Rough ≈ High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

| Districts. | FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 20th April, 1938. |
|---|---|
| 1 S.E. England<br>2 E. England ...<br>3 E. Midlands ... | Light north to northwest winds; fair, bright periods; average day temperature; local mist and ground frost at night. |
| 4 W. Midlands ...<br>5 S.W. England<br>6 South Wales ... | Light north to northeast winds; mainly bright; average day temperature, ground frost locally at night. |
| 7 North Wales ...<br>8 N.W. England<br>9 N. Midlands ...<br>10 N.E. England<br>11 S.E. Scotland<br>12 S.W. Scotland & Isle of Man. | Light northwest to west winds, mainly bright; local mist and ground frost at night. |
| 13 A. W. Scotld. B.N.W.Scotland.<br>14 Mid Scotland<br>15 N. E. Scotland<br>16 Orkney and Shetland | Light west winds; fair periods; average temperature. |
| 17 N. W. Ireland<br>18 N. E. Ireland | Light west winds; fair; average temperature. |
| 19 S. E. Ireland<br>20 S. W. Ireland | Light variable winds; mainly bright; average day temperature, ground frost locally at night. |

GENERAL INFERENCE

An anticyclone over Ireland is stationary. Weather will be fair in most areas and mainly bright in the west and southwest. There will be light local rain in the extreme north. Frost at night will be less severe and less general than of late.

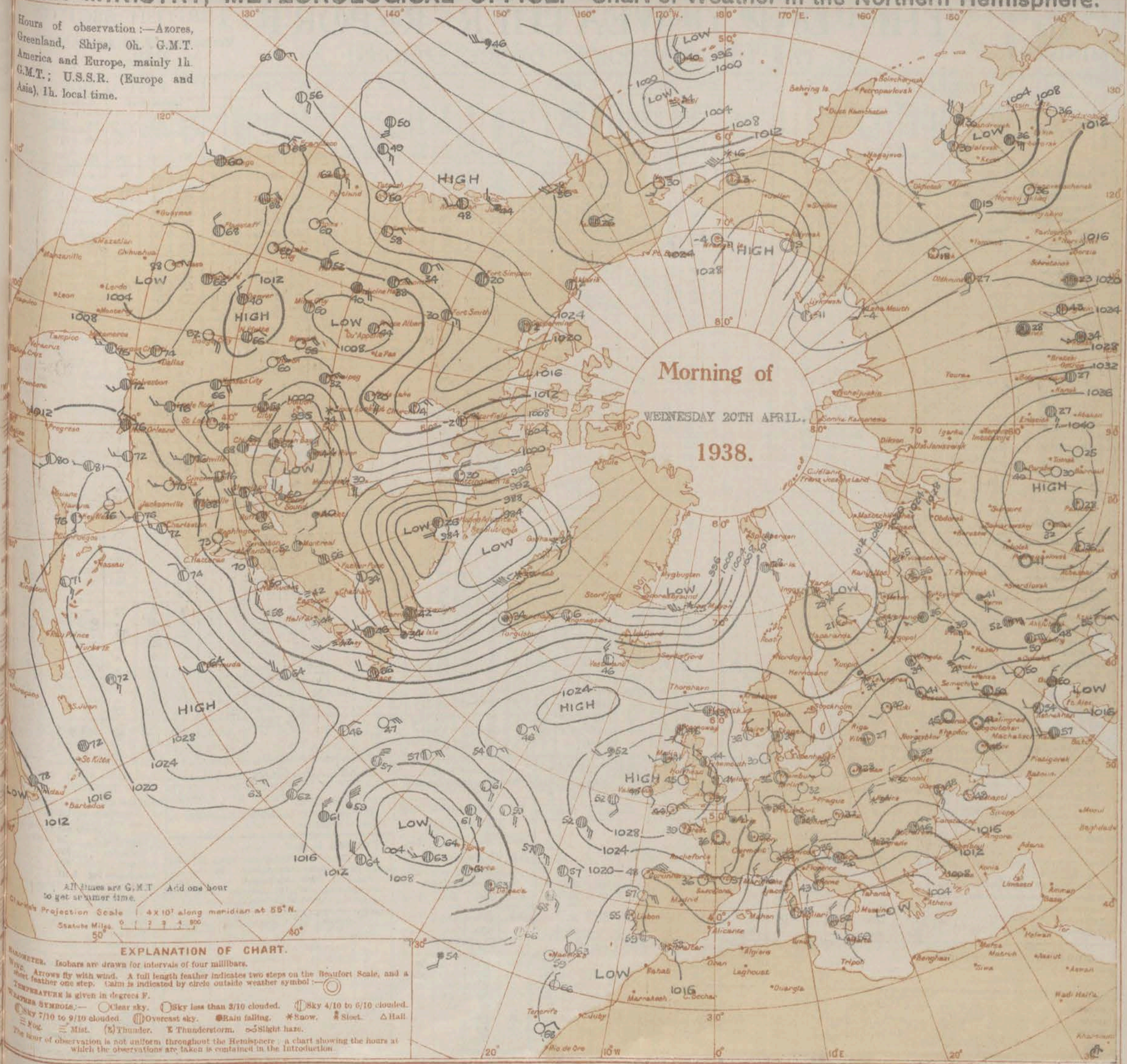
FURTHER OUTLOOK.

Little change.

Forecasts issued at 1.000 G.M.T. GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S., Director.

H.M. Stationery Office Press, Kingsway, W.C.2

# AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.



AIR MINISTRY.

# THE DAILY WEATHER REPORT

## OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Wednesday 20th April, 1938.
No. 27908.

### OBSERVATIONS at 1 hr. G.M.T. 20th April

| District | Stations | Height above M.S.L. in feet | Barom. at M.S.L. mb. (1) | Change in 3 hours (2) | Wind. Direc. (3) | Wind. Force 0–12 (4) | Weather (5) | Temp. °F. (6) | Humid. % (7) | Visibility 0–9 (8) | Cloud. Form. Low (9) | Cloud. Form. Med. (10) | Cloud. Form. High (11) | Cloud. Amount. Low 0–10 (12) | Cloud. Amount. Total 0–10 (13) | Height of Base (feet) (14) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | London (Kew) | 18 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Croydon ... | 217 | 1027.9 | +6 | NW'W | 1 | m | 37 | 92 | 4 | – | – | – | 0 | 0 | – |
| | S. Farnborough | 226 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Boscombe Down | 417 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Calshot (Sthmtn.) | 8 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Lympne ... | 346 | 1027.0 | +2 | NW'N | 3 | b | 37 | 89 | 8 | 5 | – | – | Tr | Tr | 2500 |
| | Manston ... | 142 | 1026.6 | +4 | N | 4 | c | 42 | 89 | 8 | 5 | – | – | 3 | 3 | 1500 |
| 2 | Shoeburyness ... | 11 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Felixstowe ... | 15 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Gorleston ... | 5 | 1026.0 | +6 | NW'N | 3 | c | 44 | 75 | 7 | 5 | – | – | 3 | 3 | 2500 |
| | Mildenhall ... | 19 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Cranwell ... | 240 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 3 | Birmingham ... | 535 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Upper Heyford | 408 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 4 | Ross-on-Wye | 223 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 5 | Bristol ... | 209 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Portland Bill ... | 32 | 1028.1 | +6 | NE | 3 | bc | 45 | 65 | 7 | 4 | – | – | 4-6 | 4-6 | 2500 |
| | Plymouth ... | 82 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | The Lizard ... | 240 | 1029.6 | +2 | N | 4 | b | 42 | 92 | 8 | – | – | – | 0 | 0 | – |
| | Scilly (St. Mary's) | 163 | 1030.2 | 0 | NE'N | 3 | b | 44 | 85 | 6 | – | – | – | 0 | 0 | – |
| | Guernsey .. | 175 | 1028.6 | 0 | – | 0 | bc | 45 | 85 | 6 | – | 1 | 8 | 0 | 4-6 | – |
| 6 | Pembroke ... | 142 | 1030.3 | +2 | NW'N | 3 | b | 41 | 89 | 8 | – | – | – | 0 | 0 | – |
| 7 | Holyhead ... | 26 | 1030.5 | +6 | N | 3 | b | 45 | 75 | 8 | 1 | 4 | – | Tr | Tr | 4000 |
| | Chester (Sealand) | 16 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 8 | Manchester ... | 70 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 10 | Spurn Head ... | 29 | 1027.6 | +6 | NW'W | 4 | c | 41 | 92 | 7 | 5 | 4 | – | 4-6 | 7-8 | 2500 |
| | Catterick ... | 175 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Tynemouth ... | 108 | 1027.5 | +2 | WNW | 2 | c | 44 | 85 | 6 | 5 | – | – | 3+ | 3+ | 1500 |
| 11 | St. Abbs Head .. | 280 | 1029.2 | 0 | WSW | 1 | c | 43 | 75 | 7 | – | 6 | 3 | 0 | 7-8 | – |
| | Leuchars ... | 36 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 12 | Renfrew (Abbots I.) | 19 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Eskdalemuir ... | 794 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Point of Ayre ... | 30 | 1029.7 | +6 | N'W | 4 | bc | 44 | 75 | 8 | 4 | – | – | 2-3 | 2-3 | 2500 |
| 13a | Tiree ... ... | 22 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 13b | Stornoway ... | 80 | 1026.5 | -2 | SSW | 3 | c/pr | 45 | 85 | 7 | 5 | 2 | – | 4-6 | 10 | 4000 |
| 15 | Dalwhinnie ... | 1176 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Aberdeen ... | 79 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Wick ... | 81 | 1026.0 | -3 | W | 3 | c | 42 | 86 | 8 | 5 | 7 | – | 7-8 | 3 | 1500 |
| 16 | Lerwick ... | 156 | 1023.7 | 0 | W | 2 | c/pr | 43 | 92 | 8 | 8 | 7 | – | 7-8 | 10 | 1500 |
| 17 | Blacksod Point | 18 | 1031.0 | 0 | – | 0 | c | 48 | 79 | 8 | 5 | – | – | 10 | 10 | 800 |
| 18 | Malin Head ... | 84 | 1029.7 | 0 | SW | 2 | c | 41 | 85 | 7 | 8 | – | – | 3+ | 3+ | 2500 |
| | Aldergrove ... | 268 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 19 | Birr Castle ... | 173 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 20 | Valentia Obsy. † | 30 | 1031.3 | +2 | ESE | 2 | b | 45 | 97 | 7 | – | – | – | 0 | 0 | – |
| | Roches Point | 22 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |

### OBSERVATIONS at 7 hr. G.M.T. 20th April

| District | Stations | Barom. at M.S.L. mb. (15) | Change in 3 hours (16) | Wind. Direc. (17) | Wind. Force 0–12 (18) | Weather (19) | Temp. °F. (20) | Humid. % (21) | Visibility 0–9 (22) | Cloud. Form. Low (23) | Cloud. Form. Med. (24) | Cloud. Form. High (25) | Cloud. Amount. Low 0–10 (26) | Cloud. Amount. Total 0–10 (27) | Height of Base (feet) (28) | State of Ground 0–9 (29) | Sea 0–9 (30) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | London (Kew) | 1029.8 | +12 | WSW | 1 | m | 39 | 85 | 4 | 5 | – | – | 3+ | 3+ | 4000 | 0 | * |
| | Croydon ... | 1029.5 | +10 | W | 1 | m | 38 | 85 | 4 | – | 3 | 1 | 0 | 3 | – | 0 | * |
| | S. Farnborough | 1030.1 | +8 | WNW | 1 | $Z_0$ | 34 | 85 | 6 | 5 | – | – | 3+ | 3+ | 4000 | 0 | * |
| | Boscombe Down | 1030.4 | +10 | NNW | 2 | $Z_0$ | 38 | 85 | 6 | 5 | – | – | Tr | Tr | 4000 | 0 | * |
| | Calshot (Sthmtn.) | 1029.6 | +6 | NW'W | 3 | $Z_0$ | 41 | 75 | 5 | 5 | 3 | – | 4-6 | 4-6 | 5700 | 0 | 1 |
| | Lympne ... | 1028.8 | +14 | NNW | 3 | bc | 41 | 85 | 7 | 2 | 4 | 1 | Tr | 2-3 | 2500 | 0 | §1 |
| | Manston ... | 1028.0 | +10 | N'W | 4 | c | 43 | 85 | 8 | 5 | 3 | – | 2-3 | 7-8 | 2500 | 0 | * |
| 2 | Shoeburyness ... | 1028.3 | +12 | NW | 3 | c | 42 | 85 | 7 | – | 4 | 6 | 0 | 7-8 | – | 0 | * |
| | Felixstowe ... | 1028.2 | +10 | NW | 2 | bc | 42 | 92 | 7 | 5 | 3 | 6 | Tr | 2-3 | 4000 | 1 | 2 |
| | Gorleston ... | 1027.4 | +10 | NW'W | 3 | c | 43 | 85 | 6 | 8 | – | – | 7-8 | 7-8 | 2500 | 1 | 2 |
| | Mildenhall ... | 1028.3 | +10 | W'N | 2 | c | 36 | 92 | 6 | 5 | – | – | 3 | 3 | 4000 | 0 | * |
| | Cranwell ... | 1029.4 | +10 | W | 2 | m | 40 | 85 | 4 | 5 | – | – | 3+ | 3+ | 5700 | 0 | * |
| 3 | Birmingham ... | 1029.7 | +8 | NNW | 3 | b | 41 | 85 | 5 | – | – | – | 0 | 0 | – | 0 | * |
| | Upper Heyford | 1030.1 | +12 | NW | 3 | $Z_0$ | 38 | 92 | 6 | 5 | – | – | 3 | 3 | 4000 | 0 | * |
| 4 | Ross-on-Wye | 1030.3 | +6 | – | 0 | fg | 35 | 75 | 8 | 4 | – | 1 | Tr | Tr | 4000 | 0 | * |
| 5 | Bristol ... | 1031.0 | +10 | WSW | 1 | bc | 38 | 85 | 7 | 1 | – | – | 2-3 | 2-3 | 2500 | 0 | * |
| | Portland Bill ... | 1029.5 | +10 | NE | 2 | b | 44 | 65 | 7 | – | – | – | 0 | 0 | – | 0 | 2 |
| | Plymouth ... | 1030.3 | +12 | – | 0 | $Z_0$ | 39 | 85 | 6 | – | – | – | 0 | 0 | – | 0 | 0 |
| | The Lizard ... | 1030.3 | +10 | NNE | 3 | bc | 43 | 92 | 8 | 7 | – | – | 2-3 | 2-3 | 4000 | 0 | 2 |
| | Scilly (St. Mary's) | 1031.1 | +8 | NE'E | 3 | bc | 45 | 85 | 8 | 1 | – | – | 2-3 | 2-3 | 2500 | 0 | 2 |
| | Guernsey .. | 1029.7 | +10 | – | 0 | $Z_0$ | 48 | 75 | 6 | – | – | – | 0 | 0 | – | 0 | 1 |
| 6 | Pembroke ... | 1031.1 | +4 | NNE | 3 | bc | 45 | 75 | 8 | 1 | 4 | – | 2-3 | 2-3 | 4000 | 0 | 1 |
| 7 | Holyhead ... | 1031.2 | +6 | NW'N | 2 | bc | 45 | 75 | 8 | 5 | 4 | 2 | Tr | 2-3 | 4000 | 0 | 1 |
| | Chester (Sealand) | 1030.6 | +4 | W'N | 2 | c | 44 | 75 | 7 | 5 | – | – | 3+ | 3+ | 4000 | 0 | * |
| 8 | Manchester ... | 1030.7 | +10 | – | 0 | cf | 35 | 97 | 3 | 5 | – | – | 3+ | 3+ | 4000 | 1 | * |
| 10 | Spurn Head ... | 1029.0 | +8 | NNW | 3 | c | 43 | 85 | 6 | 5 | – | – | 3+ | 3+ | 4000 | 0 | 2 |
| | Catterick ... | 1029.6 | +12 | N | 1 | $Z_0$ | 37 | 85 | 6 | 5 | 3 | – | 4-6 | 7-8 | 4000 | 0 | * |
| | Tynemouth ... | 1028.3 | +12 | N | 2 | c | 41 | 85 | 6 | 8 | – | – | 3+ | 3+ | 1500 | 0 | 2 |
| 11 | St. Abbs Head .. | 1028.8 | +10 | N | 2 | c | 43 | 85 | 7 | 5 | 6 | – | 4-6 | 3 | 2500 | 0 | 1 |
| | Leuchars ... | 1029.2 | +8 | WSW | 2 | c | 42 | 79 | 8 | 5 | – | – | 10 | 10 | 4000 | 0 | * |
| 12 | Renfrew (Abbots I.) | 1029.3 | +8 | – | 0 | $Z_0$ | 38 | 92 | 6 | 5 | – | – | 10 | 10 | 4000 | 0 | * |
| | Eskdalemuir ... | 1030.1 | +8 | NNE | 1 | c | 37 | 55 | 8 | 5 | – | 2 | 4-6 | 7-8 | 2500 | 3 | * |
| | Point of Ayre ... | 1030.3 | +4 | NW | 4 | c | 46 | 85 | 8 | 4 | 7 | 3 | Tr | 7-8 | 2500 | 0 | 2 |
| 13a | Tiree ... ... | 1028.6 | +6 | SW'S | 2 | c | 48 | 85 | 8 | 5 | – | – | 3+ | 3+ | 4000 | 0 | 2 |
| 13b | Stornoway ... | 1026.3 | +4 | SSW | 3 | c | 46 | 75 | 8 | 5 | 7 | – | 7-8 | 10 | 4000 | 1 | 2 |
| 15 | Dalwhinnie ... | 1029.7 | +4 | SW | 3 | c | 39 | 75 | 7 | 5 | – | – | 10 | 10 | 2500 | 0 | * |
| | Aberdeen ... | 1028.2 | +8 | W | 1 | c | 44 | 85 | 6 | 5 | – | – | 3+ | 3+ | 4000 | 0 | 1 |
| | Wick ... | 1029.7 | +4 | W | 3 | c | 44 | 85 | 8 | 5 | 1 | – | 7-8 | 3 | 2500 | 1 | 1 |
| 16 | Lerwick ... | 1029.3 | +2 | WSW | 3 | c | 46 | 85 | 8 | 5 | 7 | – | 7-8 | 3+ | 1500 | 1 | * |
| 17 | Blacksod Point | 1031.8 | +8 | SW | 3 | c | 49 | 79 | 8 | 5 | – | – | 10 | 10 | 1500 | 0 | 2 |
| 18 | Malin Head ... | 1030.2 | +4 | SW | 2 | c | 48 | 92 | 7 | 4 | – | 5 | 3+ | 3+ | 2500 | 0 | 1 |
| | Aldergrove ... | 1031.5 | +8 | SW | 2 | c | 39 | 85 | 7 | 5 | – | – | 3+ | 3+ | 2500 | 0 | * |
| 19 | Birr Castle ... | 1032.2 | +8 | SW | 1 | c | 32 | 97 | 8 | 5 | – | – | 3+ | 3+ | 2500 | 0 | * |
| 20 | Valentia Obsy. † | 1032.5 | +4 | ENE | 1 | bc | 36 | 92 | 7 | – | – | 2 | 0 | 4-6 | – | 0 | 1 |
| | Roches Point | 1032.5 | * | N | 3 | b | 42 | 92 | 7 | – | – | 5 | 0 | 1 | – | 0 | 2 |

### PAST 24 HOURS.

| District | Stations | Temperature. Max. Day 7h–18h °F. (31) | Temperature. Min. Night 18h–7h °F. (32) | Temperature. Min. on Grass °F. (33) | Rainfall. Day 7h–18h mm. (34) | Rainfall. Night 18h–7h mm. (35) | Sunshine 1938 Hrs. (36) |
|---|---|---|---|---|---|---|---|
| 1 | London (Kew) | 52 | 35 | 21 | – | Tr | 2.4 |
| | Croydon ... | 52 | 34 | 29 | – | – | 1.9 |
| | S. Farnborough | 52 | 34 | 29 | – | – | 2.7 |
| | Boscombe Down | 55 | 25 | 16 | – | – | 7.1 |
| | Calshot (Sthmtn.) | 52 | 31 | 29 | – | – | 5.4 |
| | Lympne ... | 53 | 37 | 34 | – | – | 3.0 |
| | Manston ... | 51 | 36 | 33 | 0.3 | Tr | 3.2 |
| 2 | Shoeburyness ... | 52 | 39 | 37 | 0.3 Tr | – | 4.7 |
| | Felixstowe ... | 56 | 35 | 27 | 0.2 | – | 3.8 |
| | Gorleston ... | 51 | 37 | 33 | 2 | – | 1.4 |
| | Mildenhall ... | 49 | 40 | 39 | 1 | 1 | 4.2 |
| | Cranwell ... | 53 | 31 | 25 | Tr | Tr | 0.6 |
| 3 | Birmingham ... | 50 | 37 | 26 | 0.2 | – | 3.8 |
| | Upper Heyford | 51 | 37 | 29 | – | – | * |
| 4 | Ross-on-Wye | 52 | 38 | 34 | – | – | 7.4 |
| 5 | Bristol ... | 53 | 28 | 17 | – | – | 8.7 |
| | Portland Bill ... | 53 | 33 | 21 | – | – | * |
| | Plymouth ... | 50 | 42 | * | – | – | * |
| | The Lizard ... | 52 | 37 | 32 | – | – | 7.4 |
| | Scilly (St. Mary's) | 54 | 40 | * | – | – | 12.5 |
| | Guernsey .. | 53 53 | 41 | * | – | – | 12.3 |
| | Guernsey .. | 53 | 42 | 32 | – | – | 11.8 |
| 6 | Pembroke ... | 52 | 38 | * | – | – | 12.0 |
| 7 | Holyhead ... | 50 | 43 | 34 | – | – | 9.8 |
| | Chester (Sealand) | 51 | 33 | 26 | – | – | 11.9 |
| 8 | Manchester ... | 52 | 27 | 22 | – | Tr | 3.3 |
| 10 | Spurn Head ... | 49 | 40 | * | Tr | – | 6.9 |
| | Catterick ... | 50 | 31 | 26 | – | – | 8.2 |
| | Tynemouth ... | 48 | 40 | 36 | – | – | 6.9 |
| 11 | St. Abbs Head .. | 50 | 41 | * | – | – | * |
| | Leuchars ... | 54 | 37 | 28 | – | – | 4.2 |
| 12 | Renfrew (Abbots I.) | 55 | 31 | 26 | – | – | 11.9 |
| | Eskdalemuir ... | 53 | 25 | 18 | – | – | 6.0 |
| | Point of Ayre ... | 55 | 42 | * | – | – | 10.9 |
| 13a | Tiree ... ... | 46 | 41 | 39 | – | – | 0.6 |
| 13b | Stornoway ... | 49 | 44 | * | 0.3 | 0.1 | 1.3 |
| 15 | Dalwhinnie ... | 50 | 35 | 33 | Tr | – | 5.1 |
| | Aberdeen ... | 51 | 42 | 37 | 0.6 | – | 4.0 |
| | Wick ... | 50 | 41 | * | 0.5 | Tr | * |
| 16 | Lerwick ... | 50 | 42 | * | Tr | 1 | 4.1 |
| 17 | Blacksod Point | 52 | 43 | * | – | – | * |
| 18 | Malin Head ... | 48 | 41 | * | – | – | 4.6 |
| | Aldergrove ... | 52 | 30 | 25 | – | – | 8.6 |
| 19 | Birr Castle ... | 58 | 30 | * | – | – | 12.1 |
| 20 | Valentia Obsy. † | 52 | 34 | 28 | Tr | Tr | 12.6 |
| | Roches Point | 56 | 39 | * | – | – | * |

### LONDON OBSERVATIONS

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations except for rainfall which is 9h—18h.

| | Height above M.S.L. in feet | Weather Morning (24 hrs. ended 9h.) | Weather Afternoon (24 hrs. ended 9h.) | Weather Night (24 hrs. ended 9h.) | Temperature Day Max. °F. | Temperature Night Min. °F. | Temperature Min. on Grass °F. | Rainfall Day mm. | Rainfall Night mm. | Sunshine to Sunset hrs. (Yesterday) | Humidity 15h. G.M.T. % (Yesterday) | Humidity 9h. G.M.T. % (To-day) | Visibility 9h. (To-day) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kew ... | 18 | czy | yczo | cmbfxm | 52 | 35 | 21 | – | Tr | 2.4 | * | * | 4 |
| Croydon ... | 217 | czy | czy | zymwxm | 52 | 34 | 29 | – | – | 1.9 | * | * | 4 |
| Greenwich (Royal Observatory) ... | 149 | cy | cy | cbxcm | 54 | 37 | 27 | – | – | 3.4 | | | 5 |
| City (Bunhill Row) ... | — | * | * | * | * | * | * | * | * | 3.8 | * | * | * |
| Westminster (St. James' Park) ... | 27 | * | * | * | 55 | 39 | 30 | – | – | 3.3 | 77 | 55 | * |
| Regents Pk. (Botanic Gardens)‡ ... | 168 | * | * | * | 54 | 36 | 27 | – | – | 2.5 | 61 | 76 | * |
| Camden Square ... | 110 | cbc | c | * | 50 | 37 | 27 | – | – | * | * | 72 | * |
| Kensington ... | 80 | bc | bcc | * | 54 | 36 | 26 | – | – | 3.3 | 61 | 76 | * |
| Hampstead Observatory ... | 450 | bc | bc | c | 53 | 35 | 27 | – | – | 4.1 | * | 86 | * |

### Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. 20th

| South Kensington. Max. | Time. | Min. | Time. | Kew Observatory. Max. | Time. | Min. | Time. |
|---|---|---|---|---|---|---|---|
| 0.3 | 18-20h 19th | <0.3 | 12-14h 19th | 0.3 | 22h 19th | <0.1 | 11h 19th |

### FOREIGN OBSERVATIONS.

| Stations | 18h. G.M.T. 19th April Barom. mb. | Wind Direc. | Wind Force | Weather | Temp. °F. | 7h. G.M.T. 20th April Barom. mb. | Wind Direc. | Wind Force | Weather | Temp. °F. | Past 24 Hours Max. Day °F. | Min. Night °F. | Rainfall Day mm. | Rainfall Night mm. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Paris ... | 1023.3 | NW | 3 | bc | 48 | 1026.9 | N | 3 | bc | 43 | 54 | 39 | 0.6 | 1 |
| Brussels ... | | | | | | 1025.5 | NW | 1 | $Z_0$ | 41 | | 34 | | – |
| Berlin ... | 1013.6 | S | 2 | bc | 43 | 1023.0 | – | 0 | $Z_0$ | 37 | 48 | 28 | – | – |
| Zurich ... | 1018.0 | WSW | 3 | bc | 43 | 1018.7 | NW | 2 | S | 86 | 50 | 34 | – | 1 |
| Rome ... | | | | | | 1009.4 | N | 5 | b | 46 | * | * | | – |

### EXPLANATION OF FIGURES, LETTERS, etc.

**COLUMNS 2, 16.**
The barometric tendency is expressed in tenths of a millibar.

**COLUMNS 4, 18.**
The Beaufort Scale of Wind is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers is the speed at about 30 feet above the ground.

| Beaufort No | Statute m/h. | Beaufort No. | Statute m/h. | Beaufort No. | Statute m/h. |
|---|---|---|---|---|---|
| 0 | <1 | 4 | 13–18 | 9 | 47–54 |
| 1 | 1–3 | 5 | 19–24 | 10 | 55–63 |
| 2 | 4–7 | 6 | 25–31 | 11 | 64–75 |
| 3 | 8–12 | 7 | 32–38 | 12 | > 75 |
| | | 8 | 39–46 | | |

**COLUMNS 34, 35.**
Tr. = rain has fallen, but amount less than 0·1 mm.

**COLUMNS 8, 22 —Code for surface visibility.**

| | | Objects not visible at |
|---|---|---|
| 0 | Dense fog | 55 yards. |
| 1 | Thick fog | 220 ,, |
| 2 | Fog | 550 ,, |
| 3 | Moderate fog | 1,100 ,, |
| 4 | Mist or haze | 1¼ miles. |
| 5 | Poor visibility | 2½ ,, |
| 6 | Moderate ,, | 6½ ,, |
| 7 | Good ,, | 12½ ,, |
| 8 | Very good ,, | 31 ,, |
| 9 | Excellent ,, | beyond 31m. |

**COLUMN 30.—Code for State of Sea.**

| | | | |
|---|---|---|---|
| 0 | Calm. | 5 | Very rough |
| 1 | Smooth. | 6 | High. |
| 2 | Slight. | 7 | Very high. |
| 3 | Moderate. | 8 | Precipitous. |
| 4 | Rough. | 9 | Confused. |

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METEOROLOGICAL OFFICE, AIR MINISTRY, ADASTRAL HOUSE, KINGSWAY, LONDON, W.C.2.

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S., Director.

† 1 hr. observations are from Valentia W/T Station. ‡ Maximum and Minimum Temperatures are for the 24 hours ending 8 h. § Sea disturbance reported from Dungeness.

AIR MINISTRY.

# THE DAILY WEATHER REPORT

## OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Thursday, 21st April, 1938.
No. 27909.

### OBSERVATIONS at 13h. G.M.T. 20th April

| District | Stations. (For heights see p. 4.) | Barom. at M.S.L. mb. (1) | Change in 3 hours. (2) | Wind. Direc. (3) | Wind. Force 0–12 (4) | Weather. (5) | °Temp. F. (6) | %Humid. (7) | Visibility 0–9 (8) | Cloud. Form. Low (9) | Form. Med. (10) | Form. High (11) | Amount. Low 0–10 (12) | Amount. Total 0–10 (13) | Height of Base (feet) (14) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | London (Kew) | 1029.5 | -6 | N'E | 2 | z. | 53 | 45 | 6 | 5 | - | - | 9+ | 9+ | 4000 |
| | Croydon ... | 1029.4 | -6 | NNE | 2 | z. | 53 | 45 | 6 | 8 | 6 | - | 7-8 | 10 | 5700 |
| | S. Farnborough | 1029.6 | -10 | N'W | 3 | c | 53 | 45 | 7 | 7 | - | - | 9+ | 9+ | 5700 |
| | Boscombe Down | 1029.9 | -12 | NNW | 3 | bc | 53 | 45 | 8 | 7 | - | - | 4-6 | 4-6 | 4000 |
| | Calshot (Sthmtn.) | 1029.8 | -10 | NW | 2 | c | 55 | 45 | 7 | 5 | - | - | 7-8 | 7-8 | 4000 |
| | Lympne ... | 1029.3 | -2 | NNE | 3 | c | 48 | 65 | 8 | 5 | - | - | 9+ | 9+ | 5700 |
| | Manston ... | 1029.0 | 0 | NNE | 3 | c | 47 | 65 | 8 | 5 | - | - | 9+ | 9+ | 4000 |
| 2 | Shoeburyness ... | 1029.4 | 0 | N'E | 3 | c | 50 | 65 | 8 | 6 | 7 | - | 7-8 | 10 | 1500 |
| | Felixstowe ... | 1028.9 | +2 | N | 3 | c | 50 | 65 | 8 | 8 | 3 | - | 7-8 | 9+ | 1500 |
| | Gorleston ... | 1029.0 | +4 | NNW | 5 | c | 50 | 65 | 7 | 3 | 3 | - | 4-6 | 7-8 | 2500 |
| | Mildenhall ... | 1029.6 | +2 | N | 4 | c | 50 | 55 | 8 | 7 | 3 | - | 4-6 | 7-8 | 2500 |
| | Cranwell ... | 1030.0 | -10 | ENE | 2 | c | 52 | 55 | 7 | 5 | - | - | 9+ | 9+ | 4000 |
| 3 | Birmingham ... | 1030.0 | 0 | NW | 3 | c | 48 | 55 | 6 | 5 | - | - | 9 | 9 | 2500 |
| | Upper Hayford | 1030.0 | -2 | NW | 3 | z. | 53 | 55 | 6 | 8 | - | - | 4-6 | 4-6 | 4000 |
| 4 | Ross-on-Wye | 1030.1 | -8 | NNW | 3 | bc | 53 | 45 | 8 | 7 | - | - | 4-6 | 4-6 | 4000 |
| 5 | Bristol ... | 1030.5 | -10 | NNW | 3 | bc | 54 | 45 | 7 | 1 | - | 1 | 4-6 | 4-6 | 2500 |
| | Portland Bill ... | 1030.3 | -6 | NNW | 2 | bc | 52 | 75 | 8 | 1 | - | - | 2-3 | 2-3 | 2500 |
| | Plymouth ... | 1030.8 | -6 | SW | 3 | z. | 55 | 55 | 6 | 7 | - | - | 2-3 | 2-3 | 2500 |
| | The Lizard ... | 1031.1 | 0 | SWW | 2 | bc | 57 | 55 | 8 | 8 | - | - | 4-6 | 4-6 | 2500 |
| | Scilly (St. Mary's) | 1032.0 | +2 | NE | 3 | bc | 53 | 75 | 8 | - | - | 3 | 0 | 2-3 | - |
| | Guernsey ... | 1030.3 | -2 | N'W | 1 | z. | 54 | 55 | 6 | - | 1 | 8 | 0 | 4-6 | - |
| 6 | Pembroke ... | 1032.5 | +6 | N | 3 | bc | 53 | 55 | 8 | 7 | 4 | - | 4-6 | 4-6 | 2500 |
| 7 | Holyhead ... | 1031.9 | 0 | NW'W | 4 | c | 49 | 75 | 8 | 8 | - | - | 7-8 | 7-8 | 2500 |
| | Chester (Sealand) | 1031.2 | -4 | NW'W | 5 | c | 50 | 65 | 8 | 8 | - | - | 7-8 | 7-8 | 2500 |
| 8 | Manchester ... | 1030.2 | -2 | NW'N | 3 | c | 51 | 55 | 7 | 7 | - | - | 7-8 | 7-8 | 4000 |
| 10 | Spurn Head ... | 1030.4 | +8 | N'E | 3 | c | 50 | 65 | 7 | 5 | - | - | 10 | 10 | 4000 |
| | Catterick ... | 1029.7 | -2 | - | 0 | c | 53 | 55 | 7 | 8 | 3 | - | 4-6 | 10 | 2500 |
| | Tynemouth ... | 1029.9 | 0 | SE | 1 | c | 46 | 75 | 6 | 8 | - | - | 9+ | 9+ | 1500 |
| 11 | St. Abbs Head ... | 1029.0 | +2 | NNW | 3 | c | 48 | 65 | 7 | 5 | 3 | - | 4-6 | 9+ | 2500 |
| | Leuchars ... | 1029.4 | 0 | W | 1 | c | 54 | 55 | 8 | 7 | 3 | - | 4-6 | 9+ | 4000 |
| 12 | Renfrew (Abbots I.) | 1030.3 | 0 | WSW | 2 | z. | 49 | 75 | 6 | 8 | 2 | - | 7-8 | 10 | 2500 |
| | Eskdalemuir ... | 1029.8 | 0 | WNW | 3 | c | 51 | 45 | 8 | 7 | - | - | 9 | 9 | 2500 |
| | Point of Ayre ... | 1031.6 | +2 | NW | 2 | c | 52 | 75 | 7 | 4 | 7 | - | tr | 10 | 2500 |
| 13A | Tiree ... | 1029.6 | +6 | W | 4 | c | 53 | 85 | 7 | 8 | 3 | - | 2-3 | 9+ | 4000 |
| 13B | Stornoway ... | 1027.6 | 0 | SW | 5 | c | 53 | 75 | 8 | 5 | 2 | - | 4-6 | 10 | 4000 |
| 15 | Dalwhinnie ... | 1029.7 | 0 | SW | 3 | c | 46 | 75 | 7 | 5 | 2 | - | 7-8 | 10 | 2500 |
| | Aberdeen ... | 1028.7 | +4 | NWW | 2 | c | 53 | 45 | 7 | 7 | - | - | 9+ | 9+ | 2500 |
| | Wick ... | 1027.2 | +6 | W | 3 | pr | 52 | 65 | 7 | 5 | 2 | - | 9 | 10 | 1500 |
| 16 | Lerwick ... | 1024.7 | +6 | SW | 4 | c/pr | 48 | 92 | 7 | 8 | 7 | - | 7-8 | 9+ | 800 |
| 17 | Blacksod Point | 1032.4 | 0 | SW | 4 | bc | 54 | 75 | 8 | 2 | 3 | - | 2-3 | 4-6 | 2500 |
| 18 | Malin Head ... | 1031.2 | +4 | WSW | 3 | c | 52 | 92 | 8 | 8 | 7 | - | 7-8 | 9+ | 4000 |
| | Aldergrove ... | 1031.5 | -2 | WNW | 3 | c | 52 | 65 | 7 | 5 | - | - | 9+ | 9+ | 2500 |
| 19 | Birr Castle ... | 1032.6 | -2 | WNW | 1 | bc | 55 | 55 | 7 | 1 | - | - | 4-6 | 4-6 | 2500 |
| 20 | Valentia Obsy. † | 1032.7 | -6 | WNW | 2 | c | 55 | 55 | 8 | 1 | - | 2 | tr | 7-8 | 4000 |
| | Roches Point | 1032.5 | * | S | 3 | bc | 54 | 65 | 8 | 1 | - | 1 | 1 | 2-3 | 4000 |

### OBSERVATIONS at 18h. G.M.T. 20th April

| District | Stations. | Barom. at M.S.L. mb. (15) | Change in 3 hours. (16) | Wind. Direc. (17) | Wind. Force 0–12 (18) | Weather. (19) | °Temp. F. (20) | %Humid. (21) | Visibility 0–9 (22) | Cloud. Form. Low (23) | Form. Med. (24) | Form. High (25) | Amount. Low 0–10 (26) | Amount. Total 0–10 (27) | Height of Base (feet) (28) | State of Ground 0–9 (29) | Sea 0–9 (30) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | London (Kew) | 1029.0 | +2 | NNE | 3 | z. | 52 | 45 | 6 | 5 | - | - | 9+ | 9+ | 2500 | 0 | * |
| | Croydon ... | 1028.9 | +2 | N'E | 2 | z. | 51 | 55 | 6 | 5 | 3 | - | 4-6 | 9+ | 5700 | 0 | * |
| | S. Farnborough | 1028.8 | +4 | NNE | 3 | z. | 52 | 55 | 6 | 5 | - | - | 9+ | 9+ | 5700 | 0 | * |
| | Boscombe Down | 1029.2 | 0 | N | 3 | bc | 52 | 45 | 7 | 5 | - | - | 4-6 | 4-6 | 4000 | 0 | * |
| | Calshot (Sthmtn.) | 1028.5 | -6 | NNW | 3 | bc | 55 | 55 | 7 | 5 | - | - | 4-6 | 4-6 | 4000 | 0 | 1 |
| | Lympne ... | 1029.4 | +4 | NEN | 3 | c | 45 | 75 | 9 | 8 | 3 | - | 4-6 | 9+ | 5700 | 0 | § 2 |
| | Manston ... | 1029.2 | +4 | NE | 3 | c | 45 | 85 | 8 | 5 | - | - | 9+ | 9+ | 7200 | 0 | * |
| 2 | Shoeburyness ... | 1029.6 | +4 | E'N | 2 | c | 47 | 75 | 8 | - | - | - | 9+ | 9+ | 4000 | 0 | * |
| | Felixstowe ... | 1029.1 | +4 | NNE | 3 | c | 48 | 65 | 8 | 5 | 3 | - | 7-8 | 9+ | 5700 | 1 | 3 |
| | Gorleston ... | 1029.4 | +4 | N'W | 3 | c/pr | 44 | 85 | 7 | 8 | - | - | 7-8 | 7-8 | 2500 | 1 | 2 |
| | Mildenhall ... | 1029.5 | +2 | NEN | 3 | bc | 49 | 55 | 8 | 8 | 6 | 3 | 2-3 | 4-6 | 4000 | 0 | * |
| | Cranwell ... | 1029.8 | +2 | NNE | 3 | c | 49 | 55 | 8 | 8 | - | - | 10 | 10 | 4000 | 0 | * |
| 3 | Birmingham ... | 1029.4 | -2 | NNW | 3 | b | 49 | 65 | 6 | - | 3 | - | 0 | 1 | - | 0 | * |
| | Upper Hayford | 1029.7 | +2 | NWW | 3 | z. | 51 | 55 | 6 | 5 | 3 | - | 7-8 | 9 | 4000 | 0 | * |
| 4 | Ross-on-Wye | 1030.1 | 0 | N | 3 | c | 50 | 55 | 8 | 5 | - | - | 9+ | 9+ | 4000 | 0 | * |
| 5 | Bristol ... | 1029.6 | +2 | W'N | 2 | c | 52 | 55 | 7 | 5 | 4 | - | 7-8 | 7-8 | 4000 | 0 | * |
| | Portland Bill ... | 1028.9 | -8 | W | 2 | c | 49 | 75 | 8 | 4 | - | - | 7-8 | 7-8 | 2500 | 0 | 2 |
| | Plymouth ... | 1029.7 | -2 | NNW | 4 | b | 53 | 45 | 8 | - | 4 | 4 | 0 | 1 | - | 0 | 2 |
| | The Lizard ... | 1030.8 | +2 | N'W | 3 | bc | 51 | 75 | 8 | 7 | 6 | - | 2-3 | 4-6 | 4000 | 0 | 2 |
| | Scilly (St. Mary's) | 1032.0 | +4 | NEN | 3 | c | 49 | 75 | 8 | - | 3 | 3 | 0 | 7-8 | - | 0 | 2 |
| | Guernsey ... | 1030.0 | -2 | - | 0 | z. | 52 | 65 | 6 | - | - | - | 0 | 0 | - | 0 | 1 |
| 6 | Pembroke ... | 1030.6 | -4 | N'E | 4 | bc | 50 | 55 | 8 | - | 8 | - | 0 | 4-6 | - | 0 | 1 |
| 7 | Holyhead ... | 1031.4 | -2 | NW'N | 2 | c | 49 | 75 | 8 | 8 | 3 | - | 4-6 | 7-8 | 4000 | 0 | 1 |
| | Chester (Sealand) | 1031.0 | +1 | WNW | 4 | c | 49 | 75 | 7 | 7 | 7 | - | 4-6 | 7-8 | 2500 | 0 | * |
| 8 | Manchester ... | 1029.8 | +4 | NW | 4 | z. | 50 | 65 | 6 | 7 | 3 | - | 7-8 | 10 | 5700 | 0 | * |
| 10 | Spurn Head ... | 1030.5 | +2 | ENE | 2 | c | 47 | 45 | 7 | 5 | - | - | 10 | 10 | 4000 | 0 | 2 |
| | Catterick ... | 1029.8 | +6 | NNW | 1 | c | 50 | 55 | 7 | 5 | 3 | - | 4-6 | 10 | 2500 | 0 | * |
| | Tynemouth ... | 1029.9 | +6 | SE | 2 | c | 46 | 85 | 6 | 8 | - | - | 9+ | 9+ | 1500 | 0 | 1 |
| 11 | St. Abbs Head ... | 1029.6 | +6 | S | 2 | c | 48 | 65 | 6 | 4 | 7 | - | 4-6 | 9+ | 4000 | 0 | 1 |
| | Leuchars ... | 1029.1 | +2 | W | 2 | c | 53 | 65 | 8 | 7 | 3 | - | 2-3 | 7-8 | 5700 | 0 | * |
| 12 | Renfrew (Abbots I.) | 1030.0 | +2 | WNW | 2 | ir. | 49 | 85 | 8 | 5 | - | - | 10 | 10 | 4000 | 0 | * |
| | Eskdalemuir ... | 1029.8 | +2 | NNW | 1 | c | 48 | 65 | 8 | 5 | - | - | 10 | 10 | 2500 | 0 | * |
| | Point of Ayre ... | 1031.3 | -2 | NWN | 3 | c | 50 | 85 | 8 | - | 7 | - | 0 | 10 | - | 0 | 2 |
| 13A | Tiree ... | 1029.9 | +2 | W'S | 3 | c | 50 | 85 | 7 | 5 | 7 | - | 4-6 | 10 | 2500 | 0 | 2 |
| 13B | Stornoway ... | 1027.6 | +2 | WSW | 4 | c | 53 | 75 | 8 | 5 | 5 | - | 7-8 | 9 | 2500 | 1 | 2 |
| 15 | Dalwhinnie ... | 1029.6 | +2 | SW | 3 | c | 47 | 75 | 8 | 5 | - | - | 10 | 10 | 4000 | 0 | * |
| | Aberdeen ... | 1028.6 | +2 | SSW | 2 | c | 51 | 55 | 6 | 5 | - | - | 9+ | 9+ | 2500 | 0 | 1 |
| | Wick ... | 1027.4 | +2 | W | 2 | c | 52 | 75 | 7 | 5 | 7 | - | 7-8 | 10 | 1500 | 1 | 1 |
| 16 | Lerwick ... | 1024.9 | +4 | SW | 4 | c/pr | 47 | 97 | 6 | 8 | 2 | - | 7-8 | 10 | 800 | 1 | * |
| 17 | Blacksod Point | 1032.6 | +2 | W | 4 | bc | 53 | 65 | 8 | 2 | - | 4 | 2-3 | 4-6 | 2500 | 0 | 3 |
| 18 | Malin Head ... | 1031.6 | +6 | W'S | 3 | c | 51 | 92 | 7 | 8 | 7 | - | 7-8 | 9+ | 2500 | 0 | 1 |
| | Aldergrove ... | 1031.5 | -2 | NW | 3 | c/pr | 51 | 65 | 7 | 8 | - | - | 9+ | 9+ | 2500 | 0 | * |
| 19 | Birr Castle ... | 1031.9 | -4 | WNW | 1 | bc | 57 | 45 | 7 | 1 | - | - | 4-6 | 4-6 | 2500 | 0 | * |
| 20 | Valentia Obsy. † | 1032.8 | +6 | NW'W | 2 | bc | 53 | 65 | 8 | - | - | 1 | 0 | 2-3 | - | 0 | 1 |
| | Roches Point | 1032.5 | * | S | 2 | bc | 51 | 75 | 8 | - | 5 | 5 | 0 | 4-6 | - | 0 | 1 |

### PAST 24 HOURS.

| District | Stations. | Weather. 7h.—13h. 20th (37) | Weather. 13h.—18h. 20th (38) | Weather. 18h. 20th to 1h. 21st (39) | Weather. 1h.—7h. 21st (40) |
|---|---|---|---|---|---|
| 1 | London (Kew) | cmcy | cz.y | cz.cy | cm. |
| | Croydon ... | cz. y | cz.y | cz. | ccm. |
| | S. Farnborough | cm.bcy | cz.y | czycm. | cm. |
| | Boscombe Down | bz.bcy | bcbcy | bcyc | cz. |
| | Calshot (Sthmtn.) | bcm.by | bcycybcy | bcyc | cm. |
| | Lympne ... | bcc | cbcc | bcbW | c |
| | Manston ... | bcc | c | c | cpr. |
| 2 | Shoeburyness ... | cyc | cyc | cbW | b,c |
| | Felixstowe ... | bccp. | cvcpr. | c | bccpr |
| | Gorleston ... | cpr.cq | cpr.c | c | cpr.c |
| | Mildenhall ... | cy | cybcy | bcycy | c |
| | Cranwell ... | ~~bczc~~ | cy | cyc | cid.c |
| 3 | Birmingham ... | pmbcz. | cbcb | c | cmi |
| | Upper Hayford | b,c | bcy | cz.c | c |
| 4 | Ross-on-Wye | bcm. | bcycy | c | com. |
| 5 | Bristol ... | bbcz. | bccy | cm. | cm. |
| | Portland Bill ... | bcbc | bcc | c | c |
| | Plymouth ... | bbcz. | bcz.by | byb | b,cz. |
| | The Lizard ... | bcy | cb | bc | bbccW |
| | Scilly (St. Mary's) | bc | bcc | cbcb | bbcx |
| | Guernsey ... | bzbc | cbz | bzwbc | bcc |
| 6 | Pembroke ... | bcy | bcy | bcc | c |
| 7 | Holyhead ... | bcc | bc | c | c |
| | Chester (Sealand) | cbcc | cbcc | c | c |
| 8 | Manchester ... | cffz.bc | bcycy | cz.m. | cm.fm |
| 10 | Spurn Head ... | c | c | c | c |
| | Catterick ... | bcm.c | ccy | cyc | cb |
| | Tynemouth ... | cm. | c | com | cbc |
| 11 | St. Abbs Head ... | m.c | m.c | m.c | cm. |
| | Leuchars ... | cy | cyc | cbc | bcc |
| 12 | Renfrew (Abbots I.) | ir.cm. | cm.ir. | cir.cm.c | cdc |
| | Eskdalemuir ... | bcxcy | cyc | c | c |
| | Point of Ayre ... | c | cir.c | c | c |
| 13A | Tiree ... | c | c | c | c |
| 13B | Stornoway ... | c | c | cr.r. | cr.r.bc |
| 15 | Dalwhinnie ... | c | cir | circ | circ |
| | Aberdeen ... | cz.c | cz.y | cyz.bc | bczW |
| | Wick ... | cpr | c | c | cpr. |
| 16 | Lerwick ... | c | cpr.m. | cr.r.m. | pr.fdm. |
| 17 | Blacksod Point | bc | bc | bc | bc |
| 18 | Malin Head ... | c | c | c | c |
| | Aldergrove ... | cr.c | ycpr.c | ccpr.c | ccm. |
| 19 | Birr Castle ... | cbc | bc | bcb | bbcc |
| 20 | Valentia Obsy. † | bcwcy | cybc | bcbbW | bwcW |
| | Roches Point | bbc | bc | bcbW | bWbc |

## EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

### COLUMNS 5, 19, 37, 38, 39, 40—BEAUFORT NOTATION AND SYMBOLS FOR WEATHER.

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog „ less than 220 yds.
fs, low fog over sea (coast station).
fg, low fog over land (inland station).
m, mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jf, fog at a distance, but not at station.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/s$_o$, slight storm of drifting snow (generally low).
k/S, heavy storm of drifting snow (generally low).
s$_o$/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze: the turbid atmosphere of dry weather.
h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus R, heavy rain. r$_o$, slight rain. rr, continuous rain.
<, less than (for cloud height).
⊕, Solar halo. ☽ lunar halo. ⫽ gale.
With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions thus:—bc/r, fair weather after rain; —, has decreased; +, has increased.

### COLUMNS 9, 23.—FORM OF LOW CLOUD.

0 No low clouds.
1 Fair weather Cu.
2 Large Cu without anvil.
3 Cb.
4 Sc formed by the spreading out of Cu.
5 Layer of St or Sc.
6 Ragged low clouds of bad weather (or fractonimbus).
7 Fair weather Cu. and Sc.
8 Large-Cu (or Cb) and Sc.
9 Large-Cu (or Cb) and ragged low clouds of bad weather.

### COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4–6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries. "tr" signifies a small amount of cloud (trace) covering less than 1/20 of the sky. "9+" signifies an overcast sky with a few small openings.

### COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

0 No medium clouds.
1 Typical As (thin).
2 Typical As (thick) (sun or moon invisible), or Nimbostratus (Ns).
3 Single layer of Ac or high Sc.
4 Ac in isolated patches. Individually decreasing (often lenticular).
5 Ac in bands (increasing).
6 Ac formed from the spreading out of Cu.
7 Ac associated with As or As with parts resembling Ac.
8 Ac Castellatus (or Ac in ragged fragments).
9 Ac in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

### COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

0 No cirriform cloud.
1 Fine Ci not increasing: sparse.
2 Fine Ci not increasing: abundant but not a continuous layer.
3 Anvil Ci (usually dense).
4 Fine Ci increasing: usually in tufts.
5 Ci or Cs increasing: still below 45° altitude: often in polar bands.
6 Ci or Cs increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Cs covering whole sky.
8 Cs not increasing and not covering whole sky.
9 Cc predominating, and a little cirrus.
(Cc may occur with any of the types 1 to 8).

Cloud form abbreviations:—
Cirrus,–Ci: Cirrocumulus,–Cc: Cirrostratus,–Cs: Altocumulus,–Ac: Altostratus,–As
Stratocumulus,–Sc: Stratus,–St: Nimbostratus,–Ns: Cumulus,–Cu: Cumulonimbus,–Cb

### COLUMN 29.—STATE OF GROUND.

0 .. Ground dry.
1 .. „ wet.
2 .. „ flooded.
3 .. „ frozen hard and dry.
4 .. „ partly covered with snow or hail.
5 .. „ covered with ice or glazed frost.
6 .. Ground covered with thawing snow.
7 .. „ covered with snow, less than 6 ins., deep but ground not frozen.
8 .. „ covered with snow, less than 6 ins., but ground frozen.
9 .. „ covered with snow greater than 6 ins. deep.

NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

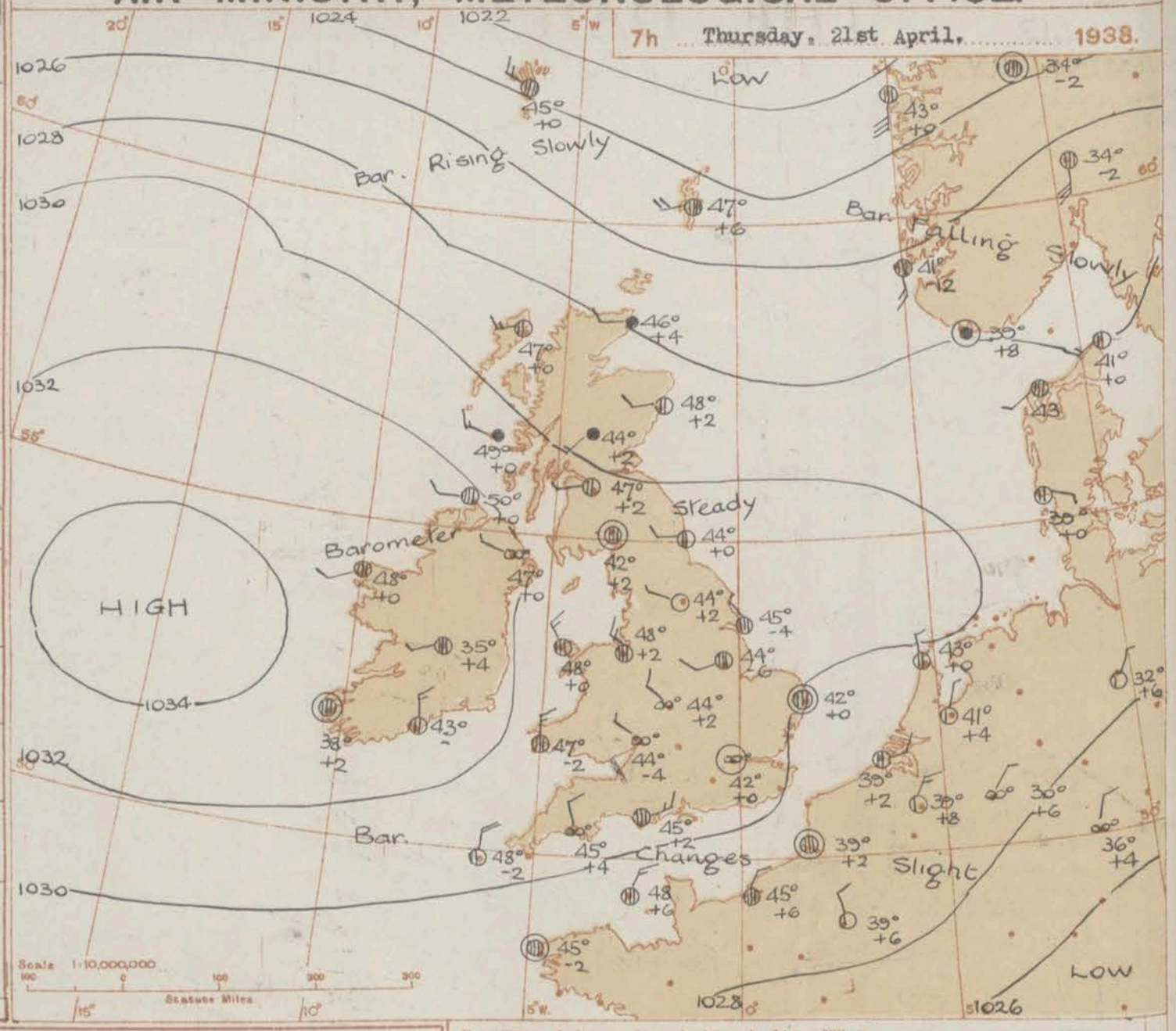
† Sea disturbance reported from Dungeness.

# AIR MINISTRY, METEOROLOGICAL OFFICE.

## REPORTS from HEALTH RESORTS for 20th April 1938.

| Districts | Stations. | Weather. Forenoon. | Weather. Afternoon. | Temperature (°F.) Min. 9h. 12th. to 9h. 20th. | Temperature (°F.) Max. 9h.—17h. 20th. | Rainfall (mm.) Night. 17h. 19th. to 9h. 20th. | Rainfall (mm.) Day. 9h.—17h. 20th. | Sunshine (Hrs.) Sunrise to 17h. 20th. | Sunshine (Hrs.) Sunrise to Sunset. 19th. |
|---|---|---|---|---|---|---|---|---|---|
| 1 | Tunbridge W. | cbc | bccp | 31 | 54 | - | - | 5·7 | 4·2 |
| | Bournemouth | b | bbc | 35 | 61 | - | - | 9·7 | 7·1 |
| | Ventnor ... | bcbc | bc | 38 | 58 | - | - | 5·7 | 7·5 |
| | Southsea ... | cbc | bc | 38 | 58 | - | - | 4·5 | 5·6 |
| | Bognor Regis | bcbc | bcbc | 35 | 52 | - | - | 3·5 | 5·4 |
| | Littlehampton | c | c | 32 | 55 | - | - | 4·9 | 8·9 |
| | Worthing ... | bbcc | bc | 37 | 55 | - | - | 4·3 | 9·3 |
| | Brighton ... | c | bcbc | 37 | 55 | - | - | 3·0 | 8·6 |
| | Eastbourne† ... | bccy | cyo | 49 | 54 | - | - | 4·0 | 7·5 |
| | Hastings† ... | bcbc | pcbc | 38 | 53 | - | Trace | 5·0 | 6·9 |
| | Folkestone ... | bbcc | ccrbcc | 40 | 52 | 1 | Trace | 6·2 | 2·5 |
| | Dover ... | bcc | crbcc | 41 | 52 | 0·5 | Trace | 7·5 | 3·1 |
| | Deal ... ... | cbcbc | oco | 40 | 53 | 0·3 | - | 4·6 | 4·0 |
| | Ramsgate ... | bc | c | 43 | 49 | - | - | 4·6 | 4·8 |
| | Margate ... | bc | cbcc | 43 | 48 | Trace | - | 4·5 | 3·4 |
| 2 | Southend ... | co | oc | 37 | 52 | - | - | 3·3 | 6·5 |
| | Clacton-on-Sea | bcc | c | 37 | 53 | - | - | 4·3 | 3·5 |
| | Dovercourt ... | bcv | bcc | 39 | 52 | - | - | 3·4 | 3·7 |
| | Lowestoft ... | crbcb | bccpr | 39 | 51 | 0·5 | 0·4 | 4·7 | 3·3 |
| | Skegness ... | bc | bcbc | 36 | 51 | - | - | 2·4 | 7·1 |
| | Mablethorpe... | bcbc | c | 35 | 50 | - | - | 2·9 | 6·0 |
| | Cleethorpes ... | bcc | bcc | 40 | 52 | - | - | 2·4 | 6·2 |
| 3 | Leamington S. | cbc | bcz | 36 | 53 | - | - | 9·0 | 1·9 |
| 4 | Cheltenham† | bbc | bcc | 30 | 56 | - | - | 5·8 | 5·0 |
| 5 | Bath ... ... | b | bbcc | 32 | 57 | - | - | 9·4 | 7·8 |
| | Weymouth ... | b | b | 36 | 56 | - | - | 9·8 | 9·4 |
| | Jersey ... | b | b | 40 | 57 | - | - | 11·1 | 12·6 |
| | Torquay ... | wbz. | by | 37 | 55 | - | - | 10·9 | 9·7 |
| | Falmouth | b | b | 41 | 58 | - | - | 10·7 | 12·1 |
| | Penzance ... | b | b | 40 | 57 | - | - | 10·2 | 12·4 |
| | St. Ives ... | b | b | 42 | 58 | - | - | 10·8 | 11·2 |
| | Bude... ... | bcb | b | 29 | 52 | - | - | 10·3 | 12·0 |
| | Ilfracombe ... | bcbbc | bcb | 39 | 54 | - | - | 10·7 | 10·7 |
| 6 | Aberystwyth | xbc | bc | 32 | 51 | - | - | 9·5 | 5·7 |
| 7 | Llandudno ... | bbc | cbcc | 35 | 51 | - | - | 5·0 | 10·6 |
| | Colwyn Bay... | bcbcb | bcbc | 37 | 52 | - | - | 6·1 | 11·9 |
| | Rhyl ... ... | cbcc | bcc | 33 | 51 | - | - | 8·0 | 10·3 |
| 8 | Wallasey ... | bcb | bbc | 43 | 53 | - | - | 9·3 | 12·1 |
| | Southport ... | bbc | bbcc | 41 | 55 | - | - | 10·3 | 12·1 |
| | Blackpool ... | b | bbcc | 41 | 52 | - | - | 10·0 | 10·7 |
| | Morecambe ... | bbcbc | cbbc | 36 | 53 | - | - | 7·8 | 8·6 |
| 9 | Ilkley... ... | bbc | c | 33 | 53 | - | - | 4·9 | 0·3 |
| | Harrogate ... | bbcc | c | 36 | 53 | - | - | 3·4 | 1·3 |
| 10 | Berwick-on-T. | c | c | 39 | 51 | - | - | 1·4 | 6·2 |
| 11 | Dunbar ... | cm. | cm. | 39 | 54 | - | - | 0·0 | 5·9 |
| 12 | Troon... ... | coroc | coc | 37 | 50 | - | 0·3 | 0·0 | 12·1 |
| | Douglas ... | c | c | 38 | 53 | - | - | 1·4 | 11·0 |

† Max. Temp. for period 21h. yesterday to 17h. to-day; Min. Temp. 21h.–9h.




BAROMETER. Isobars are drawn for intervals of two millibars.
WIND, WEATHER SYMBOLS. For explanation see opposite page.
SEA DISTURBANCE. Rough. High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

| Districts. | Forecasts for the 24 hours commencing 12 noon, G.M.T. 21st April, 1938. |
|---|---|
| 1 S.E. England<br>2 E. England ...<br>3 E. Midlands ... | Light variable winds: mainly fair, perhaps light local showers; average temperature. |
| 4 W. Midlands ...<br>5 S.W. England<br>6 South Wales ... | Light northerly winds; mainly bright; average temperature. |
| 7 North Wales ...<br>8 N.W. England<br>9 N. Midlands ... | Light northwest winds; fair; average temperature. |
| 10 N.E. England<br>11 S.E. Scotland<br>12 S.W. Scotland & Isle of Man. | Light northwest winds; bright periods; average temperature. |
| 13 A. W. Scotld. / B.N.W.Scotland.<br>14 Mid Scotland<br>15 N. E. Scotland<br>16 Orkney and Shetland | Light westerly winds; cloudy, light local rain; average temperature. |
| 17 N. W. Ireland<br>18 N. E. Ireland | Light west winds; fair; average temperature. |
| 19 S. E. Ireland<br>20 S. W. Ireland | Light variable winds; mainly bright; average temperature. |

### GENERAL INFERENCE

An anticyclone centred over Ireland extends eastwards to Denmark. There will be light local rain in the North and West. Elsewhere weather will be fair, and mainly bright in the South and Southwest. Temperature will be average for the time of year.

### FURTHER OUTLOOK.

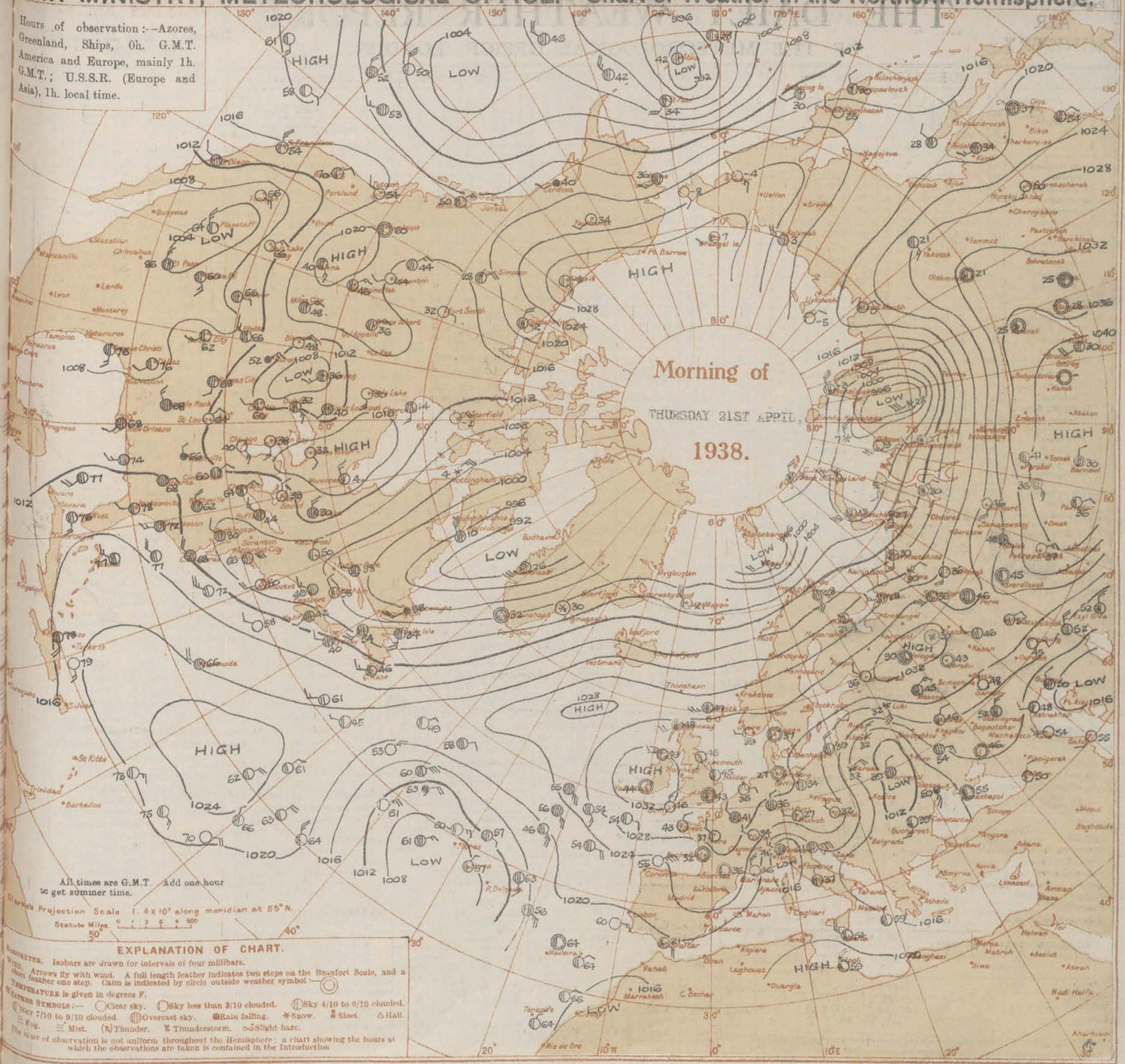
Little change.

Forecasts issued at 0915 G.M.T.

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S., Director.

H.M. Stationery Office Press, Kingsway, W.C.2

# AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.



AIR MINISTRY.

# THE DAILY WEATHER REPORT

## OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Thursday, 21st April, 1938.
No. 27909.

### OBSERVATIONS at 1 hr. G.M.T. 21st April

| District | Stations | Height above M.S.L. in feet | Barom. at M.S.L. mb. (1) | Change in 3 hours (2) | Wind Direc. (3) | Wind Force 0–12 (4) | Weather (5) | Temp. °F. (6) | Humid. % (7) | Visibility 0–9 (8) | Cloud Form Low (9) | Cloud Form Med. (10) | Cloud Form High (11) | Cloud Amount Low 0–10 (12) | Cloud Amount Total 0–10 (13) | Height of Base (feet) (14) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | London (Kew) | 18 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Croydon ... | 217 | 1030·1 | +2 | – | 0 | c | 43 | 85 | 7 | 5 | – | – | 10 | 10 | 5700 |
| | S. Farnborough | 226 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Boscombe Down | 417 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Calshot (Sthmtn.) | 8 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Lympne ... | 346 | 1030·3 | 0 | N'E | 2 | c | 40 | 92 | 8 | 5 | – | – | 10 | 10 | 5700 |
| | Manston ... | 142 | 1030·2 | +2 | NE | 2 | c | 42 | 85 | 8 | 5 | – | – | 10 | 10 | 5700 |
| 2 | Shoeburyness ... | 11 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Felixstowe ... | 15 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Gorleston ... | 5 | 1030·1 | 0 | NNE | 3 | c | 44 | 85 | 7 | 8 | – | – | 9 | 9 | 2500 |
| | Mildenhall ... | 19 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Cranwell ... | 240 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 3 | Birmingham ... | 535 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Upper Heyford | 408 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 4 | Ross-on-Wye | 223 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 5 | Bristol ... | 209 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Portland Bill ... | 32 | 1029·5 | +4 | NE | 2 | c | 47 | 65 | 7 | 4 | – | – | 10 | 10 | 2500 |
| | Plymouth ... | 82 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | The Lizard ... | 240 | 1031·0 | –4 | N'W | 4 | bc | 42 | 92 | 8 | 7 | – | – | 2-3 | 2-3 | 2500 |
| | Scilly (St. Mary's) | 163 | 1032·1 | –6 | N'E | 3 | b | 46 | 92 | 8 | – | – | – | 0 | 0 | – |
| | Guernsey .. | 175 | 1029·7 | –4 | – | 0 | bc | 47 | 85 | 7 | – | 3 | – | 0 | 4·6 | – |
| 6 | Pembroke ... | 142 | 1031·9 | +2 | NNW | 3 | c | 46 | 75 | 8 | 5 | – | – | 9+ | 9+ | 2500 |
| 7 | Holyhead ... | 26 | 1032·0 | –2 | NNW | 2 | c | 48 | 75 | 7 | 5 | – | – | 10 | 10 | 1500 |
| | Cheater (Scaland) | 16 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 8 | Manchester ... | 70 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 10 | Spurn Head ... | 29 | 1031·1 | +4 | NNW | 1 | c | 45 | 85 | 7 | 5 | – | – | 10 | 10 | 4000 |
| | Catterick ... | 175 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Tynemouth ... | 108 | 1029·8 | 0 | S | 2 | o | 45 | 85 | 6 | 5 | – | – | 10 | 10 | 800 |
| 11 | St. Abbs Head .. | 280 | 1029·8 | 0 | WNW | 2 | c | 47 | 75 | 6 | 5 | 7 | – | 4·6 | 7·8 | 2500 |
| | Leuchars ... | 36 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 12 | Renfrew (Abbotsl.) | 19 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Eskdalemuir ... | 794 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Point of Ayre ... | 30 | 1031·8 | +2 | NW'N | 3 | c | 47 | 92 | 8 | 5 | 7 | – | 4·6 | 10 | 2500 |
| 13a | Tiree ... | 22 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 13b | Stornoway ... | 80 | 1028·2 | –4 | SW | 4 | c | 48 | 92 | 7 | 5 | 2 | – | 7-8 | 10 | 1500 |
| 15 | Dalwhinnie ... | 1176 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Aberdeen ... | 79 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Wick ... | 81 | 1028·7 | –2 | NW | 3 | c | 45 | 85 | 8 | 5 | 1 | – | 4-6 | 7-8 | 1500 |
| 16 | Lerwick ... | 156 | 1024·7 | –6 | WSW | 5 | c | 47 | 97 | 6 | 8 | 2 | – | 7-8 | 10 | 800 |
| 17 | Blacksod Point | 18 | 1033·3 | 0 | W | 2 | b | 45 | 92 | 8 | – | – | – | 0 | 0 | – |
| 18 | Malin Head ... | 84 | 1032·2 | +2 | W | 2 | c | 49 | 92 | 6 | 8 | – | – | 9+ | 9+ | 2500 |
| | Aldergrove ... | 268 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 19 | Birr Castle ... | 173 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 20 | Valentia Obsy. † | 30 | 1033·6 | –2 | – | 0 | b | 44 | 97 | 7 | – | – | – | 0 | 0 | – |
| | Roches Point | 22 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |

### OBSERVATIONS at 7 hr. G.M.T. 21st April

| Stations | Barom. at M.S.L. mb. (15) | Change in 3 hours (16) | Wind Direc. (17) | Wind Force 0–12 (18) | Weather (19) | Temp. °F. (20) | Humid. % (21) | Visibility 0–9 (22) | Cloud Form Low (23) | Cloud Form Med. (24) | Cloud Form High (25) | Cloud Amount Low 0–10 (26) | Cloud Amount Total 0–10 (27) | Height of Base (feet) (28) | State of Ground 0–9 (29) | Sea 0–9 (30) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| London (Kew) | 1030·5 | +2 | NNW | 1 | $Z_o$ | 44 | 75 | 5 | 5 | – | – | 10 | 10 | 2500 | 0 | * |
| Croydon ... | 1030·2 | 0 | – | 0 | $N_o$ | 42 | 85 | 5 | 5 | – | – | 7-8 | 10 | 5700 | 0 | * |
| S. Farnborough | 1030·5 | +6 | NE'N | 2 | c | 42 | 85 | 6 | 5 | – | – | 10 | 10 | 5700 | 0 | * |
| Boscombe Down | 1030·8 | +4 | N'W | 1 | c | 42 | 75 | 6 | 5 | – | – | 9+ | 9+ | 2500 | 0 | * |
| Calshot (Sthmtn.) | 1030·3 | +6 | NNW | 1 | $Z_o$ | 44 | 75 | 5 | 5 | 7 | – | 4·6 | 9+ | 4000 | 0 | 1 |
| Lympne ... | 1030·4 | +2 | NNW | 2 | c | 41 | 85 | 8 | 5 | – | – | 9+ | 9+ | 7200 | 0 | 1 |
| Manston ... | 1029·8 | 0 | N'E | 2 | $pr_o$ | 42 | 75 | 7 | 5 | – | – | 9+ | 9+ | 2500 | 1 | * |
| Shoeburyness ... | 1030·1 | 0 | NNW | 2 | c | 44 | 85 | 8 | 2 | 7 | – | 2·3 | 9+ | 2500 | 0 | * |
| Felixstowe ... | 1030·2 | +4 | NW'N | 1 | c/pr | 42 | 97 | 7 | 8 | 3 | – | 9 | 9+ | 2500 | 1 | 1 |
| Gorleston ... | 1029·8 | 0 | – | 0 | c | 42 | 92 | 6 | 8 | – | – | 9+ | 9+ | 2500 | 1 | 2 |
| Mildenhall ... | 1030·1 | +2 | NW | 2 | c | 42 | 92 | 6 | 7 | 3 | – | 9+ | 9+ | 4000 | 0 | * |
| Cranwell ... | 1030·1 | –6 | SW'W | 2 | c | 44 | 75 | 7 | 5 | – | – | 9+ | 9+ | 7200 | 0 | * |
| Birmingham ... | 1030·0 | +2 | NW | 2 | $Z_o$ | 44 | 85 | 5 | 5 | – | – | 10 | 10 | 2500 | 0 | * |
| Upper Heyford | 1030·8 | –2 | NNE | 1 | $Z_o$ | 42 | 85 | 6 | 5 | – | – | 10 | 10 | 7200 | 0 | * |
| Ross-on-Wye | 1031·1 | –4 | NW | 1 | $Z_o$ | 44 | 85 | 6 | 5 | – | – | 10 | 10 | 2500 | 0 | * |
| Bristol ... | 1030·9 | +4 | – | 0 | $Z_o$ | 43 | 85 | 5 | 5 | – | – | 10 | 10 | 7200 | 0 | * |
| Portland Bill ... | 1029·7 | +2 | ENE | 3 | c | 45 | 85 | 7 | 4 | – | – | 10 | 10 | 2500 | 0 | 3 |
| Plymouth ... | 1030·6 | +4 | NNW | 2 | $Z_o$ | 45 | 75 | 6 | 5 | – | – | 10 | 10 | 5700 | 0 | 1 |
| The Lizard ... | 1030·8 | +4 | N | 3 | c | 45 | 92 | 8 | 4 | 6 | – | 4·6 | 7·8 | 2500 | 0 | 2 |
| Scilly (St. Mary's) | 1031·5 | –2 | NNE | 4 | bc | 48 | 75 | 8 | – | 4 | 3 | 0 | 2·3 | – | 0 | 2 |
| Guernsey .. | 1029·3 | +6 | NE | 3 | c | 48 | 85 | 6 | 8 | 3 | – | 7·8 | 9+ | 2500 | 0 | 2 |
| Pembroke ... | 1031·2 | –2 | N | 3 | c | 47 | 85 | 8 | 5 | – | – | 9+ | 9+ | 2500 | 0 | 1 |
| Holyhead ... | 1031·7 | 0 | NW'N | 3 | c | 48 | 85 | 8 | 5 | 3 | – | 4·6 | 10 | 2500 | 0 | 1 |
| Cheater (Scaland) | 1031·3 | +2 | NW | 3 | c | 48 | 85 | 7 | 5 | – | – | 10 | 10 | 4000 | 0 | * |
| Manchester ... | 1031·0 | +2 | – | 0 | m/f | 43 | 97 | 4 | 5 | – | – | 10 | 10 | 4000 | 1 | * |
| Spurn Head ... | 1030·1 | –4 | NW'N | 1 | c | 45 | 85 | 6 | 5 | – | – | 10 | 10 | 4000 | 0 | 1 |
| Catterick ... | 1030·4 | +2 | NW'W | 1 | b | 44 | 85 | 7 | 5 | – | 9 | 1 | 1 | 7200 | 0 | * |
| Tynemouth ... | 1030·0 | 0 | W | 2 | bc | 44 | 85 | 6 | 5 | – | 1 | 2-3 | 2·3 | 800 | 0 | 1 |
| St. Abbs Head .. | 1029·3 | +2 | WNW | 3 | c | 48 | 65 | 8 | 4 | 3 | – | 2·3 | 7·8 | 2500 | 0 | 1 |
| Leuchars ... | 1030·3 | +2 | WSW | 2 | c | 45 | 75 | 8 | – | 3 | – | 0 | 7-8 | – | 0 | * |
| Renfrew (Abbotsl.) | 1030·4 | +2 | WSW | 1 | bc | 47 | 92 | 8 | 7 | 4 | – | 4·6 | 4·6 | 2500 | 0 | * |
| Eskdalemuir ... | 1030·4 | +2 | – | 0 | c | 42 | 85 | 8 | 5 | – | – | 9 | 9 | 2500 | 0 | * |
| Point of Ayre ... | 1031·5 | 0 | NNW | 2 | c | 48 | 92 | 7 | 5 | 6 | – | 7-8 | 10 | 1500 | 0 | 1 |
| Tiree ... | 1030·4 | 0 | W'N | 3 | dd | 49 | 97 | 7 | – | 2 | – | 10 | 10 | 1500 | 1 | 2 |
| Stornoway ... | 1028·2 | 0 | WSW | 3 | bc | 47 | 92 | 8 | 5 | 5 | – | 4·6 | 4·6 | 2500 | 1 | 2 |
| Dalwhinnie ... | 1030·8 | +2 | SW | 3 | $ir_o$ | 44 | 85 | 7 | 5 | 2 | – | 7-8 | 10 | 2500 | 1 | * |
| Aberdeen ... | 1029·1 | +2 | W'S | 2 | bc | 48 | 75 | 6 | 5 | 3 | – | Tr | 2-3 | 2500 | 0 | 0 |
| Wick ... | 1027·9 | +4 | W | 2 | $pr_o$ | 46 | 92 | 7 | 5 | 7 | – | 7-8 | 9 | 1500 | 1 | 1 |
| Lerwick ... | 1024·9 | +6 | WSW | 4 | o | 47 | 97 | 5 | 5 | – | – | 10 | 10 | 220 | 1 | * |
| Blacksod Point | 1033·3 | 0 | SW | 2 | c | 48 | 85 | 7 | 5 | – | – | 10 | 10 | 1500 | 0 | 2 |
| Malin Head ... | 1032·1 | 0 | W | 2 | c | 50 | 92 | 6 | 8 | 7 | – | 7-8 | 9+ | 2500 | 0 | 1 |
| Aldergrove ... | 1032·3 | 0 | WNW | 1 | $Z_o$ | 47 | 85 | 6 | 5 | – | – | 10 | 10 | 4000 | 0 | * |
| Birr Castle ... | 1033·5 | +4 | SW | 1 | c | 35 | 97 | 7 | 5 | – | – | 9+ | 9+ | 1500 | 0 | * |
| Valentia Obsy. † | 1033·7 | +2 | – | 0 | c | 38 | 92 | 8 | – | – | 2 | 0 | 7-8 | – | 0 | 1 |
| Roches Point | 1033·1 | * | N'W | 3 | bc | 43 | 92 | 8 | – | – | 5 | 0 | 2-3 | – | 0 | 1 |

### PAST 24 HOURS.

| Stations | Temperature Max. Day 7h–18h °F. (31) | Temperature Min. Night 18h–7h °F (32) | Min. on Grass °F. (33) | Rainfall Day 7h–18h mm. (34) | Rainfall Night 18h–7h mm. (35) | Sunshine 20th Hrs. (36) |
|---|---|---|---|---|---|---|
| London (Kew) | 54 | 43 | 39 | – | – | 2·8 |
| Croydon ... | 53 | 40 | 37 | – | – | 1·3 |
| S. Farnborough | 56 | 39 | 37 | – | – | 3·2 |
| Boscombe Down | 56 | 38 | 33 | – | – | 9·6 |
| Calshot (Sthmtn.) | 57 | 44 | 41 | – | – | 6·6 |
| Lympne ... | 50 | 36 | 33 | – | – | 7·0 |
| Manston ... | 50 | 39 | 37 | – | Tr | 4·5 |
| Shoeburyness ... | 53 | 38 | 29 | – | 0·1 | 3·5 |
| Felixstowe ... | 52 | 40 | 38 | 0·2 | 1 | 3·2 |
| Gorleston ... | 50 | 41 | 35 | 0·1 | 3 | 3·0 |
| Mildenhall ... | 54 | 38 | 32 | – | – | 4·8 |
| Cranwell ... | 54 | 41 | 38 | – | Tr | 2·1 |
| Birmingham ... | 49 | 42 | 38 | – | – | 5·8 |
| Upper Heyford | 54 | 41 | 38 | – | – | * |
| Ross-on-Wye | 56 | 43 | 39 | – | – | 8·7 |
| Bristol ... | 58 | 43 | 40 | – | – | 10·3 |
| Portland Bill ... | 56 | 44 | * | – | – | * |
| Plymouth ... | 56 | 42 | 39 | – | – | 12·2 |
| The Lizard ... | 58 | 38 | * | – | – | 11·6 |
| Scilly (St. Mary's) | 53 | 44 | * | – | – | 12·0 |
| Guernsey .. | 55 | 46 | 39 | – | – | 11·9 |
| Pembroke ... | 54 | 43 | * | – | – | 12·0 |
| Holyhead ... | 51 | 47 | 43 | – | – | 8·9 |
| Cheater (Scaland) | 50 | 46 | 43 | – | – | 6·5 |
| Manchester ... | 53 | 41 | 39 | – | – | 3·2 |
| Spurn Head ... | 52 | 43 | * | – | – | 1·0 |
| Catterick ... | 55 | 36 | 32 | – | – | 1·9 |
| Tynemouth ... | 49 | 43 | 35 | – | – | 0·6 |
| St. Abbs Head .. | 51 | 46 | * | – | – | * |
| Leuchars ... | 55 | 42 | 40 | – | – | 0·5 |
| Renfrew (Abbotsl.) | 51 | 42 | 38 | Tr | Tr | 0·0 |
| Eskdalemuir ... | 51 | 39 | 38 | – | – | 1·6 |
| Point of Ayre ... | 52 | 47 | * | Tr | – | 0·9 |
| Tiree ... | 53 | 47 | 46 | – | Tr | 0·0 |
| Stornoway ... | 55 | 46 | * | – | 0·6 | 0·4 |
| Dalwhinnie ... | 49 | 41 | 38 | Tr | Tr | 0·0 |
| Aberdeen ... | 54 | 39 | 33 | – | – | 0·1 |
| Wick ... | 55 | 39 | * | 0·2 | 0·1 | * |
| Lerwick ... | 49 | 45 | * | Tr | 2 | 0·0 |
| Blacksod Point | 54 | 40 | * | – | – | * |
| Malin Head ... | 54 | 47 | * | – | – | 0·5 |
| Aldergrove ... | 54 | 46 | 43 | Tr | Tr | 0·1 |
| Birr Castle ... | 53 | 34 | * | – | – | 11·1 |
| Valentia Obsy. † | 56 | 35 | 29 | Tr | Tr | 12·4 |
| Roches Point | 56 | 40 | * | – | Tr | * |

### LONDON OBSERVATIONS

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations except for rainfall which is 9h—18h.

| | Height above M.S.L. in feet | Weather Morning (24 hrs. ended 9h.) | Weather Afternoon (24 hrs. ended 9h.) | Weather Night (24 hrs. ended 9h.) | Temperature Day Max. °F. | Temperature Night Min. °F. | Temperature Min. on Grass °F. | Rainfall Day mm. | Rainfall Night mm. | Sunshine to Sunset hrs. (Yesterday) | Humidity 15h. G.M.T. % (Yesterday) | Humidity 9h. G.M.T. % (To-day) | Visibility 9h. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kew ... | 18 | cmczy | czy | czcy | 54 | 43 | 39 | – | – | 2·8 | * | * | 5 |
| Croydon ... | 217 | czy | czy | cz | 53 | 40 | 37 | – | – | 1·3 | * | * | 5 |
| Greenwich (Royal Observatory) ... | 149 | cm | cy | c | 53 | 42 | 35 | – | – | 0·4 | 45 | 62 | 5 |
| City (Bunhill Row) ... | — | * | * | * | * | * | * | * | * | 0·5 | * | * | * |
| Westminster (St. James' Park) ... | 27 | * | * | * | 56 | 44 | 40 | – | – | 0·7 | 54 | 70 | * |
| Regents Pk. (Botanic Gardens)‡ ... | 168 | * | * | * | 55 | 42 | 39 | – | – | 2·5 | 55 | 69 | * |
| Camden Square ... | 110 | c | c | * | 56 | 43 | 39 | – | Tr | 1·0 | * | 63 | * |
| Kensington ... | 80 | c | bc | * | 55 | 43 | 40 | – | – | 1·3 | 52 | 69 | * |
| Hampstead Observatory ... | 450 | bc | bc | c | 53 | 40 | 37 | – | – | 1·1 | * | 81 | * |

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. 21st

| South Kensington Max. | Time. | Min. | Time. |
|---|---|---|---|
| 0·3 | 20-22h 20th | <0·3 | 2-4h 21st |

| Kew Observatory Max. | Time. | Min. | Time. |
|---|---|---|---|
| 0·3 | 7h 20th | <0·1 | 1h 21st |

### FOREIGN OBSERVATIONS.

| Stations | 18h. G.M.T. 20th April Barom. mb. | Wind Direc. | Wind Force | Weather | Temp. °F. | 7h. G.M.T. 21st April Barom. mb. | Wind Direc. | Wind Force | Weather | Temp. °F. | Past 24 Hours Max. Day °F. | Min. Night °F. | Rainfall Day mm. | Rainfall Night mm. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Paris ... | 1027·0 | NNW | 4 | $pr_o$ | 48 | 1028·5 | NNW | 2 | b | 41 | 52 | * | Tr | * |
| Brussels ... | 1026·7 | N | 1 | $pr_o$ | 45 | 1029·0 | NE | 3 | b | 39 | 50 | 34 | 1 | 0·1 |
| Berlin ... | 1024·7 | NNE | 3 | bc | 39 | 1026·3 | NNE | 3 | $Z_o$ | 37 | 46 | * | – | * |
| Zurich ... | 1021·9 | N | 2 | is | 32 | 1023·6 | NNW | 2 | u | 32 | 45 | 30 | 2 | 0·4 |
| Rome ... | | | | | | 1016·5 | NE | 2 | c | 45 | * | * | | – |

### EXPLANATION OF FIGURES, LETTERS, etc.

**COLUMNS 2, 16.**
The barometric tendency is expressed in tenths of a millibar.

**COLUMNS 4, 18.**
The Beaufort Scale of Wind is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers is the speed at about 30 feet above the ground.

| Beaufort No | Statute m/h. | Beaufort No. | Statute m/h. | Beaufort No. | Statute m/h. |
|---|---|---|---|---|---|
| 0 | <1 | 4 | 13–18 | 9 | 47–54 |
| 1 | 1–3 | 5 | 19–24 | 10 | 55–63 |
| 2 | 4–7 | 6 | 25–31 | 11 | 64–75 |
| 3 | 8–12 | 7 | 32–38 | 12 | > 75 |
| | | 8 | 39–46 | | |

**COLUMNS 34, 35**
Tr. = rain has fallen, but amount less than 0·1 mm.

**COLUMNS 8, 22.—Code for surface visibility.**

| | Objects not visible at |
|---|---|
| 0 Dense fog | 55 yards. |
| 1 Thick fog | 220 ,, |
| 2 Fog | 550 ,, |
| 3 Moderate fog | 1,100 ,, |
| 4 Mist or haze | 1½ miles. |
| 5 Poor visibility | 2½ ,, |
| 6 Moderate ,, | 6½ ,, |
| 7 Good ,, | 12½ ,, |
| 8 Very good ,, | 31 ,, |
| 9 Excellent ,, | beyond 31m. |

**COLUMN 30.—Code for State of Sea.**

| | |
|---|---|
| 0 Calm. | 5 Very rough. |
| 1 Smooth. | 6 High. |
| 2 Slight. | 7 Very high. |
| 3 Moderate. | 8 Precipitous. |
| 4 Rough. | 9 Confused. |

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METEOROLOGICAL OFFICE, AIR MINISTRY, ADASTRAL HOUSE, KINGSWAY, LONDON, W.C.2.

George C. Simpson, K.C.B., D.Sc., F.R.S., Director.

† 1 hr. observations are from Valentia W/T Station. ‡ Maximum and Minimum Temperatures are for the 24 hours ending 8 h. ‖ Sea disturbance reported from Dungeness.

AIR MINISTRY.

# THE DAILY WEATHER REPORT

## OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Friday, 22nd April, 1938.
No. 27910.

| District | Stations (For heights see p. 4.) | Sunshine 20th Hrs. (36) | Observations at 13h. G.M.T. 21st April: Barom. at M.S.L. mb. (1) | Change in 3 hours. (2) | Wind Direc. (3) | Wind Force 0–12 (4) | Weather (5) | °Temp. F. (6) | % Humid. (7) | Visibility 0–9 (8) | Cloud Form Low (9) | Cloud Form Med. (10) | Cloud Form High (11) | Cloud Amount Low 0–10 (12) | Cloud Amount Total 0–10 (13) | Height of Base (feet) (14) | Observations at 18h. G.M.T. 21st April: Barom. at M.S.L. mb. (15) | Change in 3 hours. (16) | Wind Direc. (17) | Wind Force 0–12 (18) | Weather (19) | °Temp. (20) | % Humid. (21) | Visibility 0–9 (22) | Cloud Form Low (23) | Cloud Form Med. (24) | Cloud Form High (25) | Cloud Amount Low 0–10 (26) | Cloud Amount Total 0–10 (27) | Height of Base (feet) (28) | State of Ground 0–9 (29) | Sea 0–9 (30) | Past 24 Hours Weather 7h.—13h. 21st. (37) | 13h.—18h. 21st. (38) | 18h. 21st to 1h. 22nd (39) | 1h.—7h. 22nd (40) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | London (Kew) | 2.8 | 1028.7 | -16 | N | 2 | c | 53 | 45 | 7 | 7 | 3 | - | 4-6 | 9+ | 4000 | 1026.8 | -6 | SSW | 2 | z | 51 | 65 | 6 | 5 | - | - | 7-8 | 7-8 | 4000 | 0 | * | cmzpr.cy | cybz. | bcbz. | cm. |
| | Croydon ... | 1.3 | 1029.1 | -6 | N | 2 | z. | 51 | 55 | 6 | 2 | 6 | - | 7-8 | 9+ | 4000 | 1027.5 | -6 | S | 2 | z. | 49 | 65 | 6 | 4 | 3 | - | 4-6 | 9 | 5700 | 0 | * | cm.z | cz.y | cm. | pm.ir |
| | S. Farnborough | 3.2 | 1028.8 | -14 | N'W | 2 | c | 51 | 55 | 7 | 7 | 3 | - | 7-8 | 10 | 5700 | 1027.0 | -6 | N'E | 1 | c | 52 | 45 | 7 | 5 | 3 | - | 9 | 10 | 4000 | 0 | * | cm.cy | ~~by~~ cy | cybum | bcc.irc |
| | Boscombe Down | 9.6 | 1029.4 | -10 | N'W | 2 | pr. | 51 | 55 | 7 | 8 | 2 | - | 7-8 | 10 | 2500 | 1027.6 | -6 | NW'N | 2 | c | 51 | 65 | 7 | 5 | 2 | - | 9+ | 10 | 4000 | 0 | * | cz.cpr. | cz. | ~~bcpr~~ cbc. | bc,c,bc |
| | Calshot (Sthmtn.) | 6.6 | 1029.4 | -10 | NNW | 3 | c | 52 | 55 | 7 | 5 | 7 | - | 1 | 10 | 4000 | 1027.5 | -8 | W | 2 | z. | 52 | 65 | 6 | 5 | 7 | - | 7-8 | 10 | 5700 | 0 | 1 | cm.zy | cz.y | bbcm. | bcc.irm. |
| | Lympne ... | 7.0 | 1029.2 | -6 | NNE | 3 | c | 46 | 75 | 8 | 5 | 7 | - | 7-8 | 9+ | 2500 | 1027.5 | -4 | S'W | 1 | c | 43 | 85 | 8 | 5 | 7 | - | 7-8 | 10 | 5700 | 0 | §0 | cpr.c | c | cir. | cir.m. |
| | Manston ... | 4.5 | 1028.6 | -10 | NE | 2 | c/pr | 46 | 75 | 8 | 5 | 7 | - | 7-8 | 9 | 4000 | 1027.4 | -4 | E'N | 1 | c | 45 | 75 | 7 | 5 | 7 | - | 2-3 | 10 | 4000 | 1 | * | cpr.c | c | cr.r. | cr.r.m |
| 2 | Shoeburyness ... | 3.5 | 1029.2 | -6 | E | 2 | c/pr | 45 | 85 | 8 | 8 | 7 | - | 9 | 10 | 4000 | 1027.5 | -6 | SSW | 1 | c | 45 | 75 | 8 | 4 | 1 | - | 7-8 | 9 | 5700 | 0 | * | ph.prc | p.vc | cvpr. | prc |
| | Felixstowe ... | 3.2 | 1029.5 | -6 | E'S | 3 | c | 46 | 75 | 8 | 8 | 3 | - | 4-6 | 9+ | 2500 | 1027.6 | -4 | SSE | 1 | bc/pr | 45 | 75 | 8 | 5 | 4 | 8 | 1 | 4-6 | 5700 | 1 | 1 | cp.n.c | cpr.bc | bbcr.r. | cir.m. |
| | Gorleston ... | 3.0 | 1028.8 | -6 | N'E | 2 | c | 46 | 75 | 7 | 5 | - | - | 9 | 9 | 2500 | 1026.6 | -12 | — | 0 | c | 46 | 75 | 6 | 5 | - | - | 10 | 10 | 2500 | 1 | 2 | c | c | r.r. | cpr.z. |
| | Mildenhall ... | 4.8 | 1028.6 | -10 | N'E | 2 | c | 53 | 55 | 8 | 8 | 5 | 2 | 7-8 | 9 | 4000 | 1026.6 | -6 | SE'S | 2 | c | 50 | 65 | 8 | - | 7 | 2 | 0 | 9 | — | 0 | * | cy | cybcyvc | cir.cm. | cir.m.c |
| | Cranwell ... | 2.1 | 1028.4 | -14 | N'E | 2 | z. | 56 | 45 | 6 | 8 | 4 | 6 | 4-6 | 9+ | 4000 | 1026.7 | -2 | ENE | 2 | c | 54 | 55 | 8 | 5 | 7 | - | 7-8 | 10 | 5700 | 0 | * | cz.zz. | cz.cy | cyc | pr.prc |
| 3 | Birmingham ... | 5.8 | 1028.6 | -8 | NNW | 3 | 0 | 52 | 65 | 6 | 5 | - | - | 10 | 10 | 2500 | 1026.6 | -2 | NNW | 3 | 0 | 51 | 65 | 6 | 5 | - | - | 10 | 10 | 2500 | 0 | * | c | 0 | 0 | oc |
| | Upper Heyford | * | 1029.0 | -14 | NW | 2 | z. | 53 | 45 | 6 | 7 | 7 | - | 4-6 | 10 | 4000 | 1027.8 | -2 | NW | 3 | z. | 50 | 65 | 6 | 5 | 2 | - | 9+ | 10 | 5700 | 0 | * | cm. | cz. | cbz. | bbccm. |
| 4 | Ross-on-Wye | 8.7 | 1028.8 | -10 | N'W | 2 | c | 54 | 55 | 7 | 7 | - | - | 10 | 10 | 4000 | 1027.2 | -10 | NE'N | 2 | c | 53 | 55 | 7 | 7 | - | - | 9+ | 9+ | 4000 | 0 | * | ozc | cpcc | c | cbc |
| 5 | Bristol ... | 10.3 | 1030.0 | -6 | NNE | 1 | c/pr | 51 | 75 | 6 | 5 | - | - | 9+ | 9+ | 2500 | 1028.0 | -6 | W | 1 | c | 51 | 75 | 6 | 5 | 7 | - | 7-8 | 9 | 7200 | 0 | * | cz.pr. | cz.pr. | cbcc | cm. |
| | Portland Bill ... | * | 1029.5 | -6 | ESE | 2 | c | 49 | 85 | 7 | 4 | 4 | - | 4-6 | 9 | 2500 | 1026.7 | -2 | WSW | 3 | c | 49 | 85 | 7 | 4 | - | - | 10 | 10 | 2500 | 0 | 2 | c | c | c | c |
| | Plymouth ... | 12.2 | 1029.9 | -6 | S | 3 | z. | 50 | 65 | 6 | 8 | 3 | - | 7-8 | 9+ | 4000 | 1028.5 | -6 | SW'S | 2 | z. | 49 | 85 | 6 | 8 | 3 | - | 4-6 | 9 | 7200 | 0 | 1 | cz. | cz.m.pr. | cm.z. | cz.c |
| | The Lizard ... | 11.6 | 1030.1 | -4 | E | 2 | c | 54 | 65 | 8 | 8 | 6 | - | 7-8 | 9 | 2500 | 1029.0 | -4 | NW | 4 | bc | 53 | 55 | 8 | 7 | - | - | 4-6 | 4-6 | 4000 | 0 | 2 | c | cbcy | bcw | bcc |
| | Scilly (St. Mary's) | 12.0 | 1030.8 | -4 | NNE | 5 | bc | 54 | 65 | 7 | 5 | 3 | - | 2-3 | 4-6 | 4000 | 1030.2 | -2 | NNE | 5 | b | 52 | 75 | 7 | - | - | 4 | 0 | Tr | - | 0 | 2 | bcc | pcb | bwbc | bcc |
| | Guernsey ... | 11.9 | 1029.4 | 0 | NE'E | 2 | bc | 52 | 65 | 8 | 1 | 7 | - | 1 | 4-6 | 2500 | 1028.8 | +2 | NNW | 1 | c | 48 | 75 | 8 | 8 | - | - | 9+ | 9+ | 2500 | 0 | 2 | cbc | bbcc | co | ocbc |
| 6 | Pembroke ... | 12.0 | 1030.9 | -6 | NNW | 4 | q | 53 | 65 | 7 | 7 | 7 | - | 4-6 | 4-6 | 2500 | 1030.5 | -8 | N'W | 4 | q | 51 | 65 | 7 | 5 | 2 | - | 4-6 | 9+ | 2500 | 0 | 1 | cqbc | bccq | bcc | bc |
| 7 | Holyhead ... | 8.9 | 1030.8 | -10 | NW | 3 | c | 50 | 85 | 8 | 8 | 7 | - | 7-8 | 10 | 4000 | 1029.4 | -4 | NW | 3 | c/r | 49 | 85 | 8 | 8 | 7 | - | 7-8 | 10 | 4000 | 0 | 1 | c | cr.c | c | r.c |
| | Chester (Sealand) | 6.5 | 1030.0 | -6 | NW | 4 | c | 53 | 75 | 7 | 5 | 7 | - | 7-8 | 9+ | 2500 | 1028.9 | -2 | WNW | 4 | c | 50 | 85 | 7 | 7 | 4 | - | 4-6 | 7-8 | 4000 | 0 | * | c | cbc | bccm. | c |
| 8 | Manchester ... | 3.2 | 1028.8 | -14 | NW | 3 | c | 54 | 65 | 7 | 5 | 3 | - | 4-6 | 9 | 4000 | 1027.6 | -2 | NW'W | 3 | c/pr | 51 | 75 | 6 | 8 | 3 | - | 7-8 | 10 | 4000 | 0 | * | cmffz. | ccpr.z. | cm. | cm.bcf |
| 10 | Spurn Head ... | 1.0 | 1028.9 | -6 | E'S | 1 | c | 50 | 75 | 6 | - | 7 | - | 0 | 7-8 | - | 1026.7 | -8 | — | 0 | c | 49 | 75 | 7 | 5 | - | - | 10 | 10 | 2500 | 0 | 0 | c | c | coc | cpr. |
| | Catterick ... | 1.9 | 1027.8 | -16 | SSE | 1 | c | 61 | 35 | 7 | 8 | 3 | 1 | 4-6 | 7-8 | 4000 | 1026.5 | -4 | — | 0 | z. | 52 | 65 | 6 | 5 | 7 | - | 7-8 | 10 | 7200 | 0 | * | bbcy | cyr.cz. | cz.b | bccpr. |
| | Tynemouth ... | 0.6 | 1028.3 | -6 | ENE | 2 | bc | 53 | 65 | 6 | 2 | - | - | 4-6 | 4-6 | 1500 | 1026.3 | -6 | E | 2 | c | 51 | 65 | 6 | 5 | — | - | 9+ | 9+ | 1500 | 0 | 1 | bc | bcc | cmbc | bcc |
| 11 | St Abbs Head | * | 1028.2 | -8 | WNW | 1 | c | 53 | 55 | 7 | 5 | 7 | 1 | 4-6 | 7-8 | 2500 | 1026.1 | 0 | WNW | 4 | bc | 56 | 55 | 7 | 8 | 4 | 9 | 2-3 | 4-6 | 2500 | 0 | 1 | cy | bcy | bc | ir.c |
| | Leuchars ... | 0.5 | 1027.5 | -14 | WNW | 2 | c | 58 | 55 | 8 | 7 | 7 | - | 7-8 | 9 | 4000 | 1025.1 | -10 | NW | 4 | bc | 60 | 45 | 9 | 8 | - | - | 4-6 | 4-6 | 4000 | 0 | * | cbccy | cbcyq | bcqyb | c |
| 12 | Renfrew (Abbots I.) | 0.0 | 1029.0 | -10 | NW'W | 3 | c | 55 | 75 | 8 | 5 | 3 | - | 4-6 | 9 | 2500 | 1027.4 | -6 | WNW | 3 | bc | 53 | 75 | 7 | 8 | 4 | 1 | 2-3 | 2-3 | 2500 | 0 | * | bccpr. | cbc | bc | bcwc |
| | Eskdalemuir ... | 1.6 | 1028.1 | -8 | NW'W | 3 | c | 54 | 55 | 8 | 5 | - | - | 10 | 10 | 2500 | 1026.6 | -6 | NW'N | 4 | bc | 53 | 65 | 8 | 5 | 9 | - | 4-6 | 4-6 | 2500 | 0 | * | bccy | cybc | bc | bccr |
| | Point of Ayre ... | 0.9 | 1030.4 | -8 | NW'N | 4 | c | 54 | 85 | 7 | 2 | 7 | - | 1 | 9+ | 1500 | 1023.1 | -6 | N'W | 4 | c | 50 | 92 | 7 | 2 | 6 | - | Tr | 9+ | 2500 | 0 | 2 | cpr.c | c | c | cw |
| 13A | Tiree ... | 0.0 | 1030.2 | -2 | WNW | 3 | d.d. | 50 | 97 | 6 | 5 | 2 | - | 9+ | 10 | 450 | 1023.5 | -4 | WNW | 3 | c | 49 | 97 | 6 | 5 | 7 | - | 9+ | 9+ | 450 | 0 | 2 | cd.d. | cirdc | c | c |
| 13B | Stornoway ... | 0.4 | 1028.3 | -2 | WNW | 4 | c | 50 | 65 | 8 | 5 | 7 | - | 9 | 9+ | 4000 | 1028.0 | 0 | WNW | 3 | c | 49 | 75 | 8 | 5 | 7 | - | 7-8 | 9+ | 2500 | 1 | 2 | bcc | c | cd.d. | cd.d. |
| 15 | Dalwhinnie ... | 0.0 | 1028.4 | -14 | SW | 2 | bc | 52 | 65 | 8 | 4 | 6 | - | 4-6 | 4-6 | 4000 | 1026.8 | -4 | NW | 3 | c | 51 | 55 | 8 | 4 | 6 | - | 4-6 | 7-8 | 4000 | 0 | * | irac | c | * | cir |
| | Aberdeen ... | 0.1 | 1026.8 | -14 | SE'E | 2 | c/pr | 54 | 75 | 6 | 3 | - | - | 9+ | 9+ | 2500 | 1026.1 | +4 | NNW | 4 | bc | 52 | 55 | 8 | 8 | - | - | 4-6 | 4-6 | 2500 | 1 | 1 | b,cpr. | prbcy | bccpr. | cpr.c |
| | Wick ... | * | 1026.6 | -8 | NW | 5 | c | 51 | 65 | 8 | 8 | 7 | - | 7-8 | 9 | 1500 | 1025.8 | -2 | NW | 4 | c | 47 | 75 | 8 | 8 | 7 | 8 | 4-6 | 7-8 | 1500 | 1 | 2 | c | c | c | c |
| 16 | Lerwick ... | 0.0 | 1023.8 | -12 | W | 4 | bc | 50 | 85 | 8 | 8 | 7 | - | 4-6 | 4-6 | 1500 | 1024.0 | +6 | NW | 4 | c | 47 | 85 | 8 | 8 | 7 | - | 7-8 | 9 | 1500 | 0 | * | cbc | c | cpr | c |
| 17 | Blacksod Point | * | 1033.2 | -2 | NW | 3 | c | 55 | 85 | 8 | 7 | - | - | 9 | 9 | 1500 | 1032.5 | -4 | NW | 3 | c | 52 | 85 | 8 | 4 | 3 | - | 4-6 | 7-8 | 1500 | 0 | 2 | c | c | c | prc |
| 18 | Malin Head ... | 0.5 | 1032.0 | 0 | W'N | 3 | c | 53 | 97 | 7 | 8 | 5 | - | 2-3 | 7-8 | 2500 | 1030.7 | -4 | WNW | 43 | c | 51 | 85 | 8 | 4 | 7 | - | 4-6 | 9 | 4000 | 0 | 2 | ce | c | c | c |
| | Aldergrove ... | 0.1 | 1031.5 | -6 | NW'N | 4 | c | 54 | 55 | 8 | 8 | - | - | 9+ | 9+ | 4000 | 1030.2 | -6 | NNW | 3 | c | 52 | 65 | 8 | 5 | - | - | 9+ | 9+ | 5700 | 0 | * | cm.ir. | cy,r.c | ccm. | cm.c |
| 19 | Birr Castle ... | 11.1 | 1032.6 | -8 | NW | 1 | c | 54 | 97 | 8 | 5 | - | - | 9+ | 9+ | 1500 | 1031.2 | -6 | NW | 2 | c | 56 | 45 | 8 | 5 | - | - | 7-8 | 7-8 | 2500 | 0 | * | c | c | c | c |
| 20 | Valentia Obsy. † | 12.4 | 1032.7 | -6 | WNW | 2 | b | 54 | 65 | 8 | 1 | - | - | Tr | Tr | 4000 | 1031.9 | -4 | NNW | 4 | bc | 53 | 65 | 8 | - | - | 6 | 0 | 4-6 | - | 0 | 1 | cwcbcb | bbc | bcbw | bxcw |
| | Roches Point | * | 1032.4 | * | S'E | 3 | bc | 55 | 65 | 8 | 1 | - | 5 | 2-3 | 4-6 | 2500 | 1030.8 | * | SW | 3 | bc | 54 | 85 | 8 | 1 | - | 9 | 2-3 | 4-6 | 4000 | 0 | 1 | bc | bc | bc | bcc |

## EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

### COLUMNS 5, 19, 37, 38, 39, 40—BEAUFORT NOTATION AND SYMBOLS FOR WEATHER.

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog ,, less than 220 yds.
fs, low fog over sea (coast station).
fg, low fog over land (inland station).
m, mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jf, fog at a distance, but not at station.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/s., slight storm of drifting snow (generally low).
k/S, heavy storm of drifting snow (generally low).
s./k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze: the turbid atmosphere of dry weather.
h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus R, heavy rain. r., slight rain. rr, continuous rain.
<, less than (for cloud height).
⊕, Solar halo. ☽ lunar halo. ⫽ gale.
With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions thus:—bc/r, fair weather after rain; —, has decreased; +, has increased.

### COLUMNS 9, 23.—FORM OF LOW CLOUD.

0 No low clouds.
1 Fair weather Cu.
2 Large Cu without anvil.
3 Cb.
4 Sc formed by the spreading out of Cu.
5 Layer of St or Sc.
6 Ragged low clouds of bad weather (or fractonimbus).
7 Fair weather Cu. and Sc.
8 Large-Cu (or Cb) and Sc.
9 Large-Cu (or Cb) and ragged low clouds of bad weather.

### COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4–6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries. "tr" signifies a small amount of cloud (trace) covering less than 1/20 of the sky. "9+" signifies an overcast sky with a few small openings.

### COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

0 No medium clouds.
1 Typical As (thin).
2 Typical As (thick) (sun or moon invisible), or Nimbostratus (Ns).
3 Single layer of Ac or high Sc.
4 Ac in isolated patches. Individually decreasing (often lenticular).
5 Ac in bands (increasing).
6 Ac formed from the spreading out of Cu.
7 Ac associated with As or As with parts resembling Ac.
8 Ac Castellatus (or Ac in ragged fragments).
9 Ac in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

### COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

0 No cirriform cloud.
1 Fine Ci not increasing: sparse.
2 Fine Ci not increasing: abundant but not a continuous layer.
3 Anvil Ci (usually dense).
4 Fine Ci increasing: usually in tufts.
5 Ci or Cs increasing: still below 45° altitude: often in polar bands.
6 Ci or Cs increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Cs covering whole sky.
8 Cs not increasing and not covering whole sky.
9 Cc predominating, and a little cirrus.
(Cc may occur with any of the types 1 to 8).

Cloud form abbreviations:—
Cirrus,–Ci: Cirrocumulus,–Cc: Cirrostratus,–Cs: Altocumulus,–Ac: Altostratus,–As
Stratocumulus,–Sc: Stratus,–St: Nimbostratus,–Ns: Cumulus,–Cu: Cumulonimbus,–Cb

### COLUMN 29.—STATE OF GROUND.

0 .. Ground dry.
1 .. ,, wet.
2 .. ,, flooded.
3 .. ,, frozen hard and dry.
4 .. ,, partly covered with snow or hail.
5 .. ,, covered with ice or glazed frost.
6 .. Ground covered with thawing snow.
7 .. ,, covered with snow, less than 6 ins., deep but ground not frozen.
8 .. ,, covered with snow, less than 6 ins., but ground frozen.
9 .. ,, covered with snow greater than 6 ins. deep.

NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

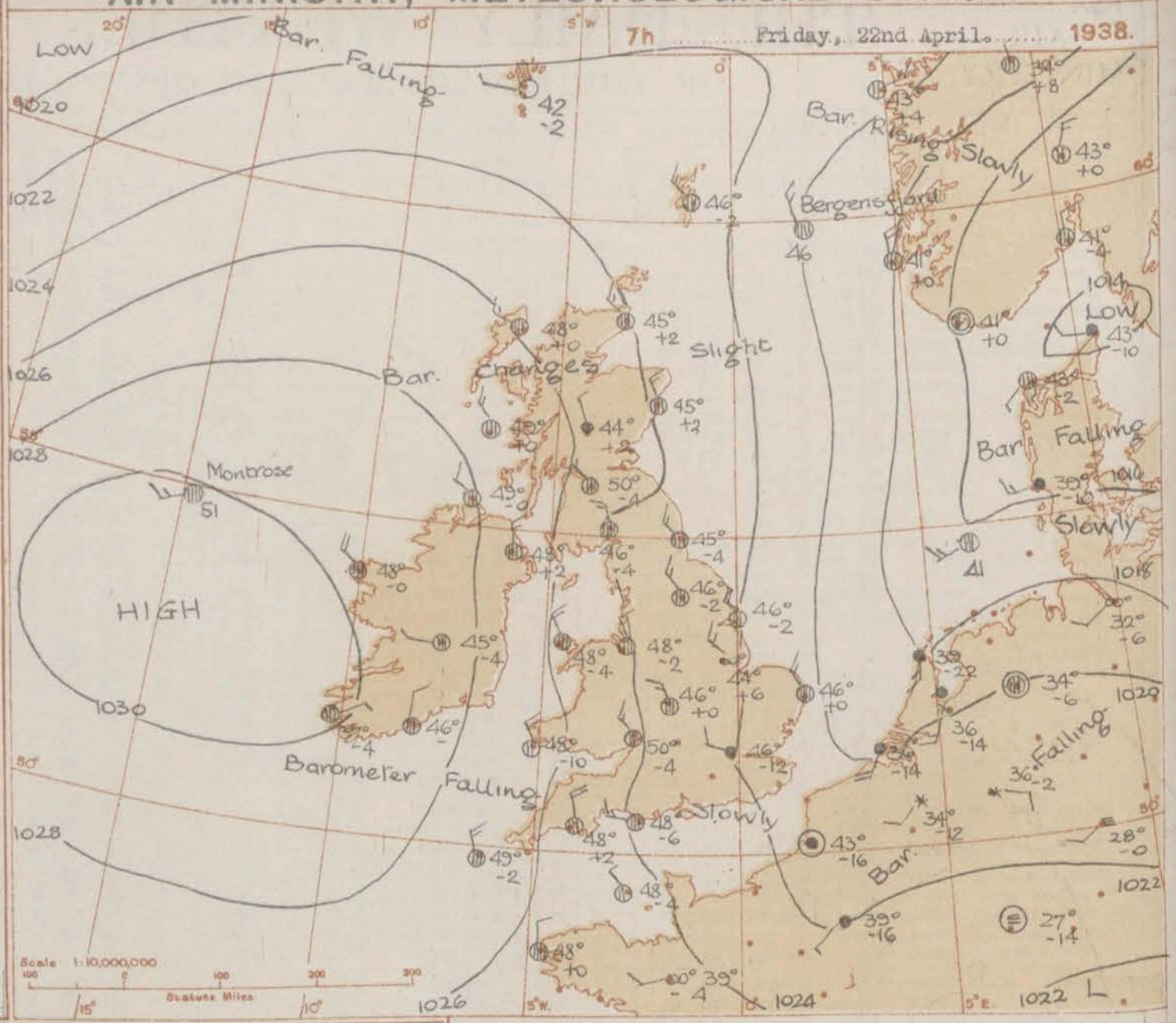
† Sea disturbance reported from Dungeness.

# AIR MINISTRY, METEOROLOGICAL OFFICE.

## REPORTS from HEALTH RESORTS for 21st April, 1938.

| Districts. | Stations. | Weather. Forenoon. | Weather. Afternoon. | Temperature (°F.) Min. 9h. 20th to 9h. 21st. | Temperature (°F.) Max. 9h.—17h. 21st. | Rainfall (mm.) Night. 17h. 20th to 9h. 21st. | Rainfall (mm.) Day. 9h.—17h. 21st. | Sunshine (Hrs.) Sunrise to 17h. 21st. | Sunshine (Hrs.) Sunrise to Sunset. 20th. |
|---|---|---|---|---|---|---|---|---|---|
| 1 | Tunbridge W. | oco | opbco | 39 | 50 | — | 0.3 | 0.7 | 5.7 |
| | Bournemouth | oc | cb | 41 | 55 | — | — | 1.3 | 10.0 |
| | Ventnor ... | ozc | ouc | 45 | 55 | — | — | 0.7 | 6.8 |
| | Southsea ... | o | o | 44 | 55 | — | — | 0.6 | 4.8 |
| | Bognor Regis | oc | cbeco | 43 | 54 | — | — | 0.3 | 3.5 |
| | Littlehampton | c | c | 42 | 54 | — | — | 0.5 | 4.9 |
| | Worthing ... | c | c | 43 | 52 | — | — | 0.2 | 4.3 |
| | Brighton ... | cbc | c | 43 | 53 | — | — | 0.7 | 3.0 |
| | Eastbourne† ... | o | pboco | 42 | 50 | 5 | 1 | 0.4 | 4.0 |
| | Hastings† ... | cobro | poc | 39 | 51 | — | 3 | 0.1 | 5.0 |
| | Folkestone ... | c.rac | ccv | 40 | 48 | Trace | Trace | 0.4 | 6.3 |
| | Dover ... | ogc | cbec | 42 | 48 | Trace | Trace | 0.7 | 7.5 |
| | Deal ... ... | o | oco | 41 | 51 | Trace | — | 1.0 | 4.6 |
| | Ramsgate ... | bc | bci | 44 | 48 | — | — | 1.7 | 4.6 |
| | Margate ... | c | c | 42 | 47 | Trace | — | 0.3 | 4.6 |
| 2 | Southend ... | cor | o | 40 | 49 | — | Trace | 0.1 | 3.3 |
| | Clacton-on-Sea | c.rhpc | cv | 40 | 48 | 2 | 0.1 | 0.1 | 4.5 |
| | Dovercourt ... | pbc | bcpbc | 41 | 48 | 3 | Trace | 0.3 | 3.5 |
| | Lowestoft ... | c.rre | cbec | 40 | 48 | 5 | Trace | 2.4 | 4.7 |
| | Skegness ... | ocbc | bcc | 41 | 50 | — | — | 4.0 | 2.4 |
| | Mablethorpe... | obc | bbc | 40 | 51 | — | — | 4.9 | 2.9 |
| | Cleethorpes ... | cbc | bc | 41 | 53 | — | — | 3.6 | 2.4 |
| 3 | Leamington S. | co | oz | 41 | 55 | — | — | 0.6 | 3.2 |
| 4 | Cheltenham† | cbccp | cpc | 41 | 54 | — | Trace | 0.5 | 5.8 |
| 5 | Bath ... ... | c | c | 43 | 54 | — | — | 0.2 | 9.4 |
| | Weymouth ... | c | c | 42 | 54 | — | — | 0.7 | 11.0 |
| | Jersey ... | c | bcc | 41 | 56 | — | — | 2.8 | 12.4 |
| | Torquay ... | oc | cobcz | 41 | 53 | — | — | 1.8 | 12.4 |
| | Falmouth | c | b | 43 | 58 | — | — | 4.4 | 11.4 |
| | Penzance ... | c | cb | 41 | 58 | — | — | 4.4 | 11.4 |
| | St. Ives ... | b | b | 39 | 56 | — | — | 8.8 | 12.2 |
| | Bude... ... | c | cbcb | 41 | 53 | — | — | 2.3 | 12.0 |
| | Ilfracombe ... | cbccz | ocbcc | 42 | 54 | — | — | 0.8 | 12.2 |
| 6 | Aberystwyth | cbcc | c | 42 | 52 | — | — | 0.6 | 10.4 |
| 7 | Llandudno ... | cbc | c | 47 | 54 | — | — | 1.9 | 5.0 |
| | Colwyn Bay... | coc | bco | 47 | 52 | — | — | 1.5 | 6.1 |
| | Rhyl ... ... | c | c | 44 | 53 | Trace | — | 0.2 | 8.0 |
| 8 | Wallasey ... | c | cbcc | 47 | 53 | — | — | 0.5 | 9.5 |
| | Southport ... | c | cbcc | 46 | 57 | — | — | 0.7 | 10.3 |
| | Blackpool ... | coc | oc | 44 | 54 | — | — | 0.6 | 10.5 |
| | Morecambe ... | bccbc | cbcc | 44 | 57 | Trace | — | 5.0 | 7.8 |
| 9 | Ilkley... ... | c | c | 39 | 58 | — | — | 0.8 | 4.9 |
| | Harrogate ... | bbc | c | 41 | 58 | — | — | 5.3 | 3.4 |
| 10 | Berwick-on-T. | bc | c | 40 | 56 | — | — | 6.0 | 1.4 |
| 11 | Dunbar ... | cm | bcsm | 43 | 53 | — | Trace | 2.7 | 0.0 |
| 12 | Troon... ... | ccchc | cbcc | 43 | 53 | — | — | 0.5 | 0.0 |
| | Douglas ... | c | c | 45 | 52 | — | — | 1.0 | 1.4 |

† Max. Temp. for period 21h. yesterday to 17h. to-day. Min. Temp. 21h.–9h.




BAROMETER. Isobars are drawn for intervals of two millibars.
WIND, WEATHER SYMBOLS. For explanation see opposite page.
SEA DISTURBANCE ~~ Rough. ≈≈ High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

| Districts. | FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 22nd April, 1938. |
|---|---|
| 1 S.E. England<br>2 E. England ...<br>3 E. Midlands ... | Light northwest winds; fair periods, light local showers; average temperature. |
| 4 W. Midlands ...<br>5 S.W. England<br>6 South Wales ... | Light north to northwest winds; mainly bright; average temperature. |
| 7 North Wales ...<br>8 N.W. England<br>9 N. Midlands ... | Light northwest winds; mainly fair; average temperature. |
| 10 N.E. England<br>11 S.E. Scotland | Light northwest winds; fair periods, light local showers; average temperature. |
| 12 S.W. Scotland & Isle of Man.<br>13 A. W. Scotld. / B.N.W. Scotland.<br>14 Mid Scotland<br>15 N. E. Scotland<br>16 Orkney and Shetland | Light northwest to west winds; fair periods; light local rain; average temperature. |
| 17 N. W. Ireland<br>18 N. E. Ireland | Light northwest winds; fair; average temperature. |
| 19 S. E. Ireland<br>20 S. W. Ireland | Light northeast winds; mainly fine; average temperature. |

### GENERAL INFERENCE

An anticyclone centred off Western Ireland is almost stationary. Weather will continue mainly bright in the West and Southwest but there will be local rain in Scotland and light local showers in Eastern England.

### FURTHER OUTLOOK.

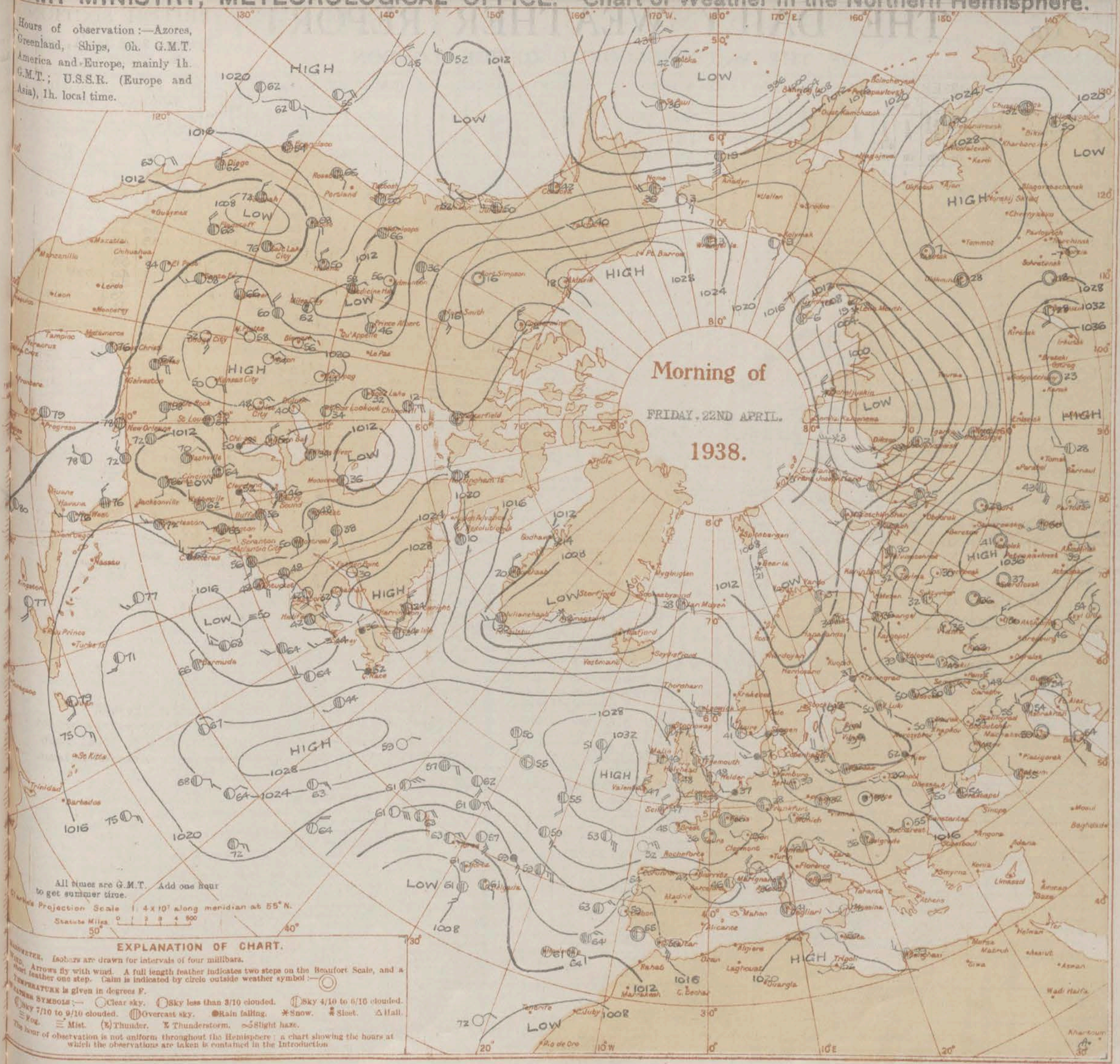
Little change.

Forecasts issued at 1000 G.M.T.

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S.,
Director.

H.M. Stationery Office Press, Kingsway, W.C.2

# AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.



AIR MINISTRY.

# THE DAILY WEATHER REPORT

## OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Friday, 22nd April, 1938.
No. 27910.

### OBSERVATIONS at 1 hr. G.M.T. 22nd April

| District | Stations | Height above M.S.L. in feet | Barom. at M.S.L. mb. (1) | Change in 3 hours (2) | Wind Direc. (3) | Wind Force 0–12 (4) | Weather (5) | Temp. °F. (6) | Humid. % (7) | Visibility 0–9 (8) | Cloud Form Low (9) | Cloud Form Med. (10) | Cloud Form High (11) | Cloud Amount Low 0–10 (12) | Cloud Amount Total 0–10 (13) | Height of Base (feet) (14) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | London (Kew) | 18 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Croydon ... | 217 | 1025·2 | -14 | W | 2 | z0 | 44 | 85 | 6 | 5 | - | - | 10 | 10 | 5700 |
| | S. Farnborough | 220 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Boscombe Down | 417 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Calshot (Sthmtn.) | 8 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Lympne ... | 346 | 1024·9 | -18 | NW | 1 | ir0 | 41 | 85 | 7 | 5 | - | - | 10 | 10 | 5700 |
| | Manston ... | 142 | 1024·0 | -22 | SSW | 1 | r0r0 | 41 | 85 | 7 | 5 | - | - | 9+ | 9+ | 2500 |
| 2 | Shoeburyness ... | 11 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Felixstowe ... | 15 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Gorleston ... | 5 | 1022·9 | -20 | SW'S | 2 | r0r0 | 45 | 92 | 6 | 6 | - | - | 10 | 10 | 1500 |
| | Mildenhall ... | 19 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Cranwell ... | 240 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 3 | Birmingham ... | 535 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Upper Heyford | 408 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 4 | Ross-on-Wye | 223 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 5 | Bristol ... | 209 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Portland Bill ... | 32 | 1025·6 | -8 | NNW | 3 | c | 48 | 85 | 7 | 4 | - | - | 10 | 10 | 2500 |
| | Plymouth ... | 82 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | The Lizard ... | 240 | 1028·4 | -8 | N'W | 4 | bc | 44 | 92 | 8 | 7 | - | - | 2-3 | 2-3 | 4000 |
| | Scilly (St. Mary's) | 163 | 1029·1 | -8 | N'W | 4 | bc | 47 | 85 | 8 | 5 | 3 | - | 2-3 | 4-6 | 2500 |
| | Guernsey .. | 175 | 1027·1 | -16 | W | 1 | o | 47 | 75 | 8 | 5 | - | - | 10 | 10 | 2500 |
| 6 | Pembroke ... | 142 | 1028·3 | -6 | NW | 3 | c | 48 | 75 | 8 | 5 | 2 | - | 7-8 | 9+ | 2500 |
| 7 | Holyhead ... | 26 | 1027·4 | -14 | NW | 4 | c | 48 | 85 | 7 | 5 | - | - | 9+ | 9+ | 4000 |
| | Chester (Sealand) | 16 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 8 | Manchester ... | 70 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 10 | Spurn Head ... | 29 | 1023·1 | -18 | N'W | 2 | c | 48 | 85 | 6 | 5 | - | - | 7-8 | 7-8 | 1500 |
| | Catterick ... | 175 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Tynemouth ... | 108 | 1024·5 | 0 | NNW | 3 | bc | 47 | 85 | 7 | 5 | - | - | 2-3 | 2-3 | 1500 |
| 11 | St. Abbs Head .. | 260 | 1025·4 | -10 | NW | 2 | bc | 46 | 75 | 8 | 4 | 6 | - | 2-3 | 4-6 | 2500 |
| | Leuchars ... | 36 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 12 | Renfrew (Abbots I.) | 19 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Eskdalemuir ... | 794 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Point of Ayre ... | 30 | 1027·5 | -8 | NNW | 4 | c | 48 | 92 | 7 | 5 | - | - | 7-8 | 7-8 | 1500 |
| 13A | Tiree ... | 22 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 13B | Stornoway ... | 80 | 1026·7 | -8 | NW | 2 | d0d0 | 47 | 97 | 6 | 5 | 2 | - | 7-8 | 10 | 1500 |
| 15 | Dalwhinnie ... | 1176 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Aberdeen ... | 79 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Wick ... | 81 | 1025·0 | -8 | NW | 3 | c | 43 | 92 | 8 | 5 | 2 | - | 9 | 10 | 1500 |
| 16 | Lerwick ... | 156 | 1023·3 | -6 | NW | 3 | c | 45 | 85 | 8 | 5 | 7 | - | 4-6 | 7-8 | 1500 |
| 17 | Blacksod Point | 18 | 1031·0 | -10 | NW | 3 | c | 48 | 92 | 7 | 5 | - | - | 10 | 10 | 1500 |
| 18 | Malin Head ... | 84 | 1029·4 | -14 | W'N | 2 | c | 49 | 92 | 6 | 9 | 2 | - | 4-6 | 9 | 1500 |
| | Aldergrove ... | 268 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 19 | Birr Castle ... | 173 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 20 | Valentia Obsy. † | 30 | 1031·0 | -6 | N'E | 3 | b | 47 | 97 | 7 | - | - | - | 0 | 0 | - |
| | Roches Point | 22 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |

### OBSERVATIONS at 7 hr. G.M.T. 22nd April

| District | Stations | Barom. at M.S.L. mb. (15) | Change in 3 hours (16) | Wind Direc. (17) | Wind Force 0–12 (18) | Weather (19) | Temp. °F. (20) | Humid. % (21) | Visibility 0–9 (22) | Cloud Form Low (23) | Cloud Form Med. (24) | Cloud Form High (25) | Cloud Amount Low 0–10 (26) | Cloud Amount Total 0–10 (27) | Height of Base (feet) (28) | State of Ground 0–9 (29) | Sea 0–9 (30) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | London (Kew) | 1021·7 | -6 | N'W | 3 | z0 | 49 | 85 | 5 | 5 | - | - | 9+ | 9+ | 2500 | 0 | * |
| | Croydon | 1022·1 | -12 | NW'W | 2 | ir0 | 46 | 92 | 5 | 5 | 2 | - | 9+ | 10 | 800 | 1 | * |
| | S. Farnborough | 1022·3 | -4 | NW'N | 3 | c | 48 | 85 | 6 | 5 | 3 | - | 9+ | 10 | 1500 | 0 | * |
| | Boscombe Down | 1022·9 | -6 | NW'N | 4 | bc | 48 | 75 | 7 | 5 | 1 | - | 4-6 | 4-6 | 2500 | 0 | * |
| | Calshot (Sthmtn.) | 1023·1 | -4 | NW | 4 | ir0 | 47 | 85 | 6 | 8 | - | - | 9+ | 9+ | 2500 | 0 | 1 |
| | Lympne | 1021·2 | -12 | NW'N | 2 | c/r | 41 | 92 | 5 | 5 | - | - | 9+ | 9+ | 4000 | 0 | §0 |
| | Manston | 1020·5 | -10 | NW | 3 | c/d | 45 | 85 | 5 | 5 | - | - | 10 | 10 | 4000 | 1 | * |
| 2 | Shoeburyness | 1021·0 | -4 | N'W | 3 | pr0 | 47 | 85 | 5 | 8 | 2 | - | 7-8 | 10 | 2500 | 0 | * |
| | Felixstowe | 1020·8 | -6 | NNW | 2 | z0 | 45 | 85 | 5 | 5 | - | - | 10 | 10 | 4000 | 1 | 2 |
| | Gorleston | 1020·2 | 0 | NW'N | 3 | c/pr | 46 | 85 | 6 | 5 | - | - | 10 | 10 | 2500 | 1 | 1 |
| | Mildenhall | 1021·3 | -2 | NNW | 3 | c | 41 | 92 | 6 | 5 | 7 | - | 7-8 | 9 | 4000 | 1 | * |
| | Cranwell | 1022·6 | +6 | NW | 3 | z0 | 44 | 97 | 5 | 5 | 5 | 6 | 2-3 | 7-8 | 4000 | 1 | * |
| 3 | Birmingham | 1023·1 | 0 | NNW | 3 | c | 46 | 85 | 6 | 5 | 5 | - | 9+ | 9+ | 2500 | 0 | * |
| | Upper Heyford | 1022·7 | -12 | NNW | 4 | z0 | 47 | 85 | 6 | 6 | 2 | - | 7-8 | 10 | 1500 | 0 | * |
| 4 | Ross-on-Wye | 1024·1 | -4 | NW | 3 | bc | 50 | 75 | 8 | 5 | - | 1 | 2-3 | 2-3 | 4000 | 0 | * |
| 5 | Bristol | 1024·5 | -2 | NW | 3 | c | 49 | 75 | 7 | 5 | - | - | 9+ | 9+ | 2500 | 0 | * |
| | Portland Bill | 1023·3 | -6 | WNW | 3 | c | 48 | 85 | 7 | 4 | - | - | 10 | 10 | 2500 | 0 | 3 |
| | Plymouth | 1025·3 | +2 | N'W | 4 | c | 48 | 75 | 8 | 5 | 3 | - | 7-8 | 9 | 7200 | 0 | 2 |
| | The Lizard | 1026·2 | -2 | N'W | 4 | c | 48 | 85 | 7 | 4 | - | - | 9+ | 9+ | 2500 | 0 | 1 |
| | Scilly (St. Mary's) | 1027·3 | -2 | NNW | 3 | c | 49 | 85 | 8 | 5 | 3 | - | 2-3 | 9 | 4000 | 0 | 2 |
| | Guernsey | 1025·2 | -4 | NW'N | 1 | bc | 48 | 92 | 6 | - | 3 | - | 0 | 4-6 | - | 0 | 1 |
| 6 | Pembroke | 1026·8 (9) | -10 | NNW | 3 | bc | 48 | 85 | 8 | 5 | 4 | - | 2-3 | 4-6 | 2500 | 0 | 1 |
| 7 | Holyhead | 1025·7 | -4 | NW'N | 3 | c | 48 | 92 | 7 | 5 | 3 | - | 2-3 | 9 | 4000 | 0 | 2 |
| | Chester (Sealand) | 1024·8 | -2 | NW'N | 2 | c | 48 | 85 | 7 | 5 | - | - | 9+ | 9+ | 2500 | 0 | * |
| 8 | Manchester | 1024·3 | 0 | NW | 2 | cf+ | 43 | 97 | 3 | - | 3 | 2 | 0 | 7-8 | - | 1 | * |
| 10 | Spurn Head | 1021·9 | -2 | NW'N | 4 | c | 46 | 92 | 6 | 5 | 2 | - | 4-6 | 9 | 1500 | 1 | 2 |
| | Catterick | 1023·5 | -2 | NW'N | 3 | c/pr | 46 | 75 | 7 | 5 | - | - | 10 | 10 | 4000 | 0 | * |
| | Tynemouth | 1023·6 | -4 | NW | 3 | c | 45 | 75 | 6 | 8 | - | - | 9+ | 9+ | 1500 | 0 | 1 |
| 11 | St. Abbs Head | 1024·1 | +4 | N'E | 3 | c/pr | 43 | 75 (92) | 8 | 8 | 7 | - | 4-6 | 10 | 2500 | 0 | 1 |
| | Leuchars | 1024·7 | +6 | - | 0 | c | 46 | 85 | 8 | 5 | 7 | - | 9 | 10 | 2500 | 0 | * |
| 12 | Renfrew (Abbots I.) | 1024·2 | -4 | NW | 3 | c | 50 | 85 | 8 | 8 | 3 | - | 9 | 9+ | 4000 | 0 | * |
| | Eskdalemuir | 1023·6 | -4 | N'W | 3 | c/r | 46 | 85 | 8 | 5 | - | - | 10 | 10 | 1500 | 1 | * |
| | Point of Ayre | 1025·0 | -8 | NNW | 4 | c | 48 | 92 | 7 | 8 | 4 | 2 | 4-6 | 7-8 | 1500 | 1 | 3 |
| 13A | Tiree | 1026·8 | 0 | NW'N | 3 | c | 49 | 85 | 7 | 5 | - | - | 9 | 9 | 2500 | 0 | 2 |
| 13B | Stornoway | 1025·9 | 0 | WNW | 3 | c | 48 | 92 | 7 | 5 | 2 | - | 4-6 | 10 | 1500 | 1 | 1 |
| 15 | Dalwhinnie | 1025·6 | +2 | NNW | 1 | ir0 | 44 | 75 | 6 | 5 | - | - | 10 | 10 | 1500 | 1 | * |
| | Aberdeen | 1023·8 | +2 | NNW | 3 | c | 45 | 85 | 8 | 5 | - | - | 10 | 10 | 2500 | 1 | 1 |
| | Wick | 1024·1 | +2 | NW | 3 | c | 45 | 92 | 8 | 5 | 7 | - | 7-8 | 10 | 1500 | 1 | 2 |
| 16 | Lerwick | 1022·2 | -2 | NW | 3 | c | 46 | 85 | 8 | 5 | 7 | - | 7-8 | 9+ | 1500 | 0 | * |
| 17 | Blacksod Point | 1029·6 | 0 | NW | 4 | c | 48 | 75 | 8 | 5 | - | - | 10 | 10 | 1500 | 1 | 3 |
| 18 | Malin Head | 1028·0 | 0 | NW | 2 | c | 49 | 85 | 7 | 4 | 5 | - | 2-3 | 9 | 2500 | 0 | 1 |
| | Aldergrove | 1027·6 | +2 | N'W | 3 | c | 48 | 85 | 7 | 5 | - | - | 9 | 9 | 1500 | 0 | * |
| 19 | Birr Castle | 1028·9 | -4 | WNW | 1 | c | 45 | 97 | 8 | 5 | 1 | - | 9 | 10 | 2500 | 0 | * |
| 20 | Valentia Obsy. † | 1030·1 | -4 | ENE | 1 | c | 37 | 97 | 8 | 7 | - | 6 | 1 | 7-8 | 4000 | 0 | 0 |
| | Roches Point | 1028·7 | * | N'E | 2 | c | 46 | 85 | 8 | 5 | 3 | 5 | 2-3 | 7-8 | 2500 | 0 | 1 |

### PAST 24 HOURS.

| District | Stations | Temperature Max. Day 7h–18h °F. (31) | Temperature Min. Night 18h–7h °F (32) | Min. on Grass °F. (33) | Rainfall Day 7h–18h mm. (34) | Rainfall Night 18h–7h mm. (35) | Sunshine 21st. Hrs. (36) |
|---|---|---|---|---|---|---|---|
| 1 | London (Kew) | 54 | 44 | 32 | Tr | - | 0·6 |
| | Croydon | 53 | 42 | 38 | - | 0·1 | 0·3 |
| | S. Farnborough | 54 | 38 | 26 | - | Tr | 0·9 |
| | Boscombe Down | 54 | 44 | 41 | Tr | - | 0·4 |
| | Calshot (Sthmtn.) | 54 | 39 | 35 | - | Tr | 0·1 |
| | Lympne | 47 | 40 | 34 | 0·3 | 0·3 | 0·1 |
| | Manston | 48 | 39 | 34 | 0·2 | 1 | 0·8 |
| 2 | Shoeburyness | 51 | 41 | 35 | Tr | Tr | 0·1 |
| | Felixstowe | 48 | 43 | 40 | 0·2 | 1 | 0·4 |
| | Gorleston | 48 | 43 | 42 | 0·1 | 1 | 2·0 |
| | Mildenhall | 54 | 41 | 39 | - | 0·3 | 2·4 |
| | Cranwell | 59 | 43 | 38 | - | 1 | 2·1 |
| 3 | Birmingham | 52 | 45 | 45 | - | - | 0·9 |
| | Upper Heyford | 55 | 44 | 36 | - | - | * |
| 4 | Ross-on-Wye | 55 | 47 | 41 | 0·1 | - | 0·8 |
| 5 | Bristol | 54 | 45 | 40 | Tr | - | 0·3 |
| | Portland Bill | 51 | 45 | * | - | - | * |
| | Plymouth | 56 | 47 | 46 | Tr | - | 1·2 |
| | The Lizard | 57 | 42 | * | - | - | 3·9 |
| | Scilly (St. Mary's) | 54 | 47 | * | - | - | 11·6 |
| | Guernsey | 53 | 45 | 39 | - | - | 4·1 |
| 6 | Pembroke | 57 | 45 | * | - | - | 6·4 |
| 7 | Holyhead | 52 | 47 | 45 | Tr | Tr | 1·2 |
| | Chester (Sealand) | 53 | 47 | 45 | - | - | 1·4 |
| 8 | Manchester | 56 | 36 | 29 | Tr | - | 0·6 |
| 10 | Spurn Head | 52 | 45 | * | - | 0·1 | 3·1 |
| | Catterick | 61 | 42 | 39 | Tr | Tr | 7·2 |
| | Tynemouth | 54 | 44 | 41 | - | - | 6·6 |
| 11 | St. Abbs Head | 57 | 42 | * | Tr | Tr | * |
| | Leuchars | 62 | 39 | 29 | - | - | 6·3 |
| 12 | Renfrew (Abbots I.) | 57 | 44 | 40 | #Tr | - | 5·2 |
| | Eskdalemuir | 56 | 36 | 32 | - | 0·6 | 0·7 |
| | Point of Ayre | 54 | 47 | * | Tr | - | 1·2 |
| 13A | Tiree | 51 | 47 | 45 | 0·6 | - | 0·0 |
| 13B | Stornoway | 53 | 46 | * | - | 1 | 5·3 |
| 15 | Dalwhinnie | 57 | 40 | 32 | Tr | 0·5 | 4·4 |
| | Aberdeen | 56 | 41 | 38 | 1 | 0·4 | 5·6 |
| | Wick | 54 | 42 | * | 0·1 | - | * |
| 16 | Lerwick | 52 | 43 | * | - | Tr | 5·7 |
| 17 | Blacksod Point | 55 | 45 | * | - | 0·5 | * |
| 18 | Malin Head | 55 | 48 | * | - | - | 0·9 |
| | Aldergrove | 54 | 45 | 38 | Tr | - | 0·1 |
| 19 | Birr Castle | 58 | 40 | * | - | - | 5·6 |
| 20 | Valentia Obsy. † | 56 | 36 | 30 | Tr | Tr | 11·3 |
| | Roches Point | 56 | 44 | * | - | - | * |

### LONDON OBSERVATIONS

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations except for rainfall which is 9h—18h.

| Station | Height above M.S.L. in feet | Weather Morning (24 hrs. ended 9h) | Weather Afternoon | Weather Night | Temp. Day Max. °F. | Temp. Night Min. °F. | Temp. Min. on Grass °F. | Rainfall Day mm. | Rainfall Night mm. | Sunshine to Sunset hrs. (Yesterday) | Humidity 15h. G.M.T. % (Yesterday) | Humidity 9h. G.M.T. % (To-day) | Visibility 9h. (To-day) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kew ... | 18 | cmzprz0y | cybcz0 | bcbz0 | 54 | 44 | 32 | Tr | - | 0·6 | * | * | 6 |
| Croydon ... | 217 | cm0z | cz0y | cm0ir0 | 53 | 42 | 38 | - | 0·1 | 0·3 | * | * | 5 |
| Greenwich (Royal Observatory) ... | 149 | c | cy | cir0c | 52 | 44 | 33 | - | Tr | 0·6 | 56 | 69 | 6 |
| City (Bunhill Row) ... | — | * | * | * | * | * | * | * | * | 0·8 | * | * | * |
| Westminster (St. James' Park) ... | 27 | * | * | * | 55 | 45 | 36 | - | - | 0·1 | 60 | 70 | * |
| Regents Pk. (Botanic Gardens)‡ ... | 168 | * | * | * | 55 | 45 | 39 | - | Tr | 0·1 | 73 | 77 | * |
| Camden Square ... | 110 | c | c | * | 56 | 46 | 38 | - | - | * | * | 68 | * |
| Kensington ... | 80 | bc | bcy | * | 55 | 45 | 37 | - | Tr | 0·3 | At 18h. 60 | 79 | * |
| Hampstead Observatory ... | 450 | c | bc | cp | 53 | 43 | 36 | - | Tr | 0·2 | * | 87 | * |

### Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. 22nd

| South Kensington. Max. | Time. | Min. | Time. |
|---|---|---|---|
| 0·3 | 17-20h 21st. | <0·3 | 3-5h 22nd. |

| Kew Observatory. Max. | Time. | Min. | Time. |
|---|---|---|---|
| 0·3 | 20h. 21st. | <0·1 | 15h. 21st. |

### FOREIGN OBSERVATIONS.

| Stations | 18h. G.M.T. 21st April Barom. mb. | Wind Direc. | Wind Force | Weather | Temp. °F. | 7h. G.M.T. 22nd April Barom. mb. | Wind Direc. | Wind Force | Weather | Temp. °F. | Past 24 Hours Max. Day °F. | Min. Night °F. | Rainfall Day mm. | Rainfall Night mm. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Paris ... | 1025·7 | * | 3 | c | 48 | 1021·8 | SW | 1 | r0r0 | 39 | 52 | 34 | Tr | 1 |
| Brussels ... | | | | | | 1020·9 | SW | 2 | S | 34 | | 32 | | 3 |
| Berlin ... | 1022·1 | N | 3 | bc | 43 | 1017·2 | WNW | 4 | c | 36 | 50 | 36 | Tr | - |
| Zürich ... | 1021·6 | E | 2 | c | 36 | 1020·8 | N | 2 | c | 32 | 41 | 28 | 0·1 | - |
| Rome ... | 1016·7 | WSW | 3 | c | 50 | 1017·1 | NE | 2 | c | 41 | * | * | - | - |

## EXPLANATION of FIGURES, LETTERS, etc.

**COLUMNS 2, 16.**
The barometric tendency is expressed in tenths of a millibar.

**COLUMNS 4, 18.**
The Beaufort Scale of Wind is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers is the speed at about 30 feet above the ground.

| Beaufort No | Statute m/h. | Beaufort No. | Statute m/h. | Beaufort No. | Statute m/h. |
|---|---|---|---|---|---|
| 0 | <1 | 4 | 13–18 | 9 | 47–54 |
| 1 | 1–3 | 5 | 19–24 | 10 | 55–63 |
| 2 | 4–7 | 6 | 25–31 | 11 | 64–75 |
| 3 | 8–12 | 7 | 32–38 | 12 | > 75 |
| | | 8 | 39–46 | | |

**COLUMNS 34, 35.**
Tr. = rain has fallen, but amount less than 0·1 mm.

**COLUMNS 8, 22.—Code for surface visibility.**

| | Objects not visible at |
|---|---|
| 0 Dense fog | 55 yards. |
| 1 Thick fog | 220 " |
| 2 Fog | 550 " |
| 3 Moderate fog | 1,100 " |
| 4 Mist or haze | 1½ miles. |
| 5 Poor visibility | 2½ " |
| 6 Moderate " | 6¼ " |
| 7 Good " | 12½ " |
| 8 Very good " | 31 " |
| 9 Excellent " | beyond 31m. |

**COLUMN 30.—Code for State of Sea.**

| | |
|---|---|
| 0 Calm. | 5 Very rough. |
| 1 Smooth. | 6 High. |
| 2 Slight. | 7 Very high. |
| 3 Moderate. | 8 Precipitous. |
| 4 Rough. | 9 Confused. |

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METEOROLOGICAL OFFICE, AIR MINISTRY, ADASTRAL HOUSE, KINGSWAY, LONDON, W.C.2.

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S., Director.

† 1 hr. observations are from Valentia W/T Station. ‡ Maximum and Minimum Temperatures are for the 24 hours ending 8 h. § Sea disturbance reported from Dungeness.

Page I.
AIR MINISTRY.

# THE DAILY WEATHER REPORT

## OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION
Saturday, 23rd April, 1938.
No. 27911.

### OBSERVATIONS at 13h. G.M.T. 22nd April

| District | Stations (For heights see p. 4.) | Barom. at M.S.L. mb. (1) | Change in 3 hours (2) | Wind Direc. (3) | Wind Force 0-12 (4) | Weather (5) | °F. Temp. (6) | % Humid. (7) | Visibility 0-9 (8) | Cloud Form Low (9) | Cloud Form Med. (10) | Cloud Form High (11) | Cloud Amount Low 0-10 (12) | Cloud Amount Total 0-10 (13) | Height of Base (feet) (14) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | London (Kew) | 1020.9 | -6 | N'W | 4 | pr | 51 | 55 | 7 | 5 | – | – | 10 | 10 | 2500 |
| | Croydon | 1020.6 | -10 | N | 3 | c/pr | 52 | 55 | 6 | 8 | – | – | 9+ | 9+ | 4000 |
| | S. Farnborough | 1020.6 | -10 | N'E | 4 | pr | 55 | 55 | 7 | 8 | 2 | – | 7-8 | 10 | 2500 |
| | Boscombe Down | 1020.9 | -16 | NNW | 3 | c | 54 | 55 | 7 | 5 | 7 | – | 4-6 | 9+ | 4000 |
| | Calshot (Sthmtn.) | 1021.1 | -14 | NW'N | 3 | c | 57 | 55 | 7 | 7 | – | 6 | 4-6 | 9 | 4000 |
| | Lympne | 1020.1 | -6 | N | 3 | c | 50 | 65 | 7 | 8 | 6 | – | 7-8 | 9+ | 4000 |
| | Manston | 1019.9 | -2 | N'E | 4 | c | 51 | 65 | 7 | 8 | 3 | – | 4-6 | 9 [7-8 in red] | 2500 |
| 2 | Shoeburyness | 1020.3 | -4 | N | 3 | c | 54 | 45 | 8 | 9 | 7 | – | 7-8 | 9+ | 2500 |
| | Felixstowe | 1020.3 | -2 | NW'N | 4 | pr | 49 | 65 | 8 | 8 | 3 | – | 7-8 | 9+ | 2500 |
| | Gorleston | 1019.5 | -2 | NNW | 5 | c | 48 | 75 | 6 | 8 | – | – | 7-8 | 7-8 | 2500 |
| | Mildenhall | 1020.5 | -6 | N'W | 4 | c | 53 | 55 | 8 | 8 | 5 | 9 | 4-6 | 9 | 2500 |
| | Cranwell | 1021.9 | -2 | N | 3 | c/pr | 44 | 92 | 8 | 8 | – | – | 10 | 10 | 2500 |
| 3 | Birmingham | 1020.5 | -12 | ENE | 3 | ir | 47 | 75 | 5 | 6 | – | – | 10 | 10 | 1500 |
| | Upper Heyford | 1022.0 | -6 | NE | 2 | r$_o$r$_o$ | 48 | 65 | 7 | 5 | 7 | – | 7-8 | 10 | 2500 |
| 4 | Ross-on-Wye | 1021.6 | -6 | NNW | 3 | ir$_o$ | 55 | 55 | 8 | 5 | 3 | – | 9 | 10 | 4000 |
| 5 | Bristol | 1021.8 | -14 | N'W | 4 | c | 58 | 45 | 8 | 8 | 3 | 9 | 4-6 | 9 | 4000 |
| | Portland Bill | 1021.4 | -6 | NNE | 3 | c | 56 | 45 | 8 | 4 | 4 | – | 4-6 | 7-8 | 2500 |
| | Plymouth | 1023.0 | -14 | NW'N | 4 | c | 57 | 55 | 9 | 8 | 3 | 6 | 4-6 | 9+ | 2500 |
| | The Lizard | 1024.3 | -6 | N'W | 4 | bc | 53 | 55 | 8 | 8 | 6 | – | 2-3 | 4-6 | 2500 |
| | Scilly (St. Mary's) | 1026.2 | -6 | N'E | 4 | b | 55 | 75 | 7 | 1 | – | 4 | Tr | 1 | 4000 |
| | Guernsey | 1023.0 | -14 | NW | 3 | bc | 55 | 75 | 8 | 1 | 7 | – | 2-3 | 4-6 | 2500 |
| 6 | Pembroke | 1025.7 | -4 | N | 4 | c | 54 | 75 | 8 | 5 | 4 | – | 4-6 | 7-8 | 2500 |
| 7 | Holyhead | 1024.3 | -14 | N'W | 4 | c | 51 | 85 | 8 | 7 | 2 | – | 4-6 | 10 | 4000 |
| | Chester (Sealand) | 1023.0 | -10 | NNW | 4 | c | 53 | 75 | 7 | 5 | 7 | – | 7-8 | 10 | 1500 |
| 8 | Manchester | 1022.1 | -10 | NE'N | 3 | z$_o$ | 52 | 65 | 6 | 8 | – | – | 10 | 10 | 4000 |
| 10 | Spurn Head | 1020.9 | -8 | N | 6 | q | 50 | 75 | 7 | 2 | 4 | 2 | 4-6 | 7-8 | 4000 |
| | Catterick | 1022.5 | -6 | N | 3 | c | 48 | 65 | 8 | 8 | 2 | – | 9 | 10 | 2500 |
| | Tynemouth | 1022.6 | -4 | N | 4 | c | 46 | 85 | 8 | 8 | – | – | 7-8 | 7-8 | 1500 |
| 11 | St. Abbs Head | 1023.6 | 0 | NNW | 2 | ir$_o$ | 49 | 85 | 8 | 9 | 2 | – | 7-8 | 10 | 1500 |
| | Leuchars | 1023.7 | -6 | WNW | 1 | c/pr | 50 | 75 | 8 | 5 | – | – | 10 | 10 | 4000 |
| 12 | Renfrew (Abbots I.) | 1023.5 | -6 | NNW | 3 | c | 54 | 75 | 9 | 5 | – | – | 10 | 10 | 4000 |
| | Eskdalemuir | 1023.2 | -2 | NNE | 3 | c | 49 | 75 | 8 | 5 | – | – | 10 | 10 | 1500 |
| | Point of Ayre | 1023.9 | -8 | N'W | 4 | c | 52 | 85 | 7 | 4 | 7 | – | 1 | 9+ | 1500 |
| 13A | Tiree | 1026.1 | -4 | NW'N | 3 | c | 52 | 85 | 8 | 5 | 7 | 8 | 1 | 7-8 | 4000 |
| 13B | Stornoway | 1024.7 | -6 | WNW | 4 | c | 54 | 75 | 8 | 5 | 7 | – | 7-8 | 9+ | 1500 |
| 15 | Dalwhinnie | 1025.0 | +2 | N | 1 | c | 48 | 75 | 8 | 5 | – | – | 10 | 10 | 4000 |
| | Aberdeen | 1023.2 | -4 | NNW | 4 | c/pr | 49 | 85 | 8 | 8 | – | – | 10 | 10 | 1500 |
| | Wick | 1023.0 | -4 | NNW | 3 | c | 49 | 75 | 8 | 5 | 7 | – | 7-8 | 9+ | 1500 |
| 16 | Lerwick | 1021.7 | -4 | NNW | 3 | c | 49 | 75 | 8 | 8 | 2 | – | 7-8 | 10 | 1500 |
| 17 | Blacksod Point | 1028.8 | -10 | NW | 3 | c | 55 | 85 | 8 | 5 | – | – | 9 | 9 | 1500 |
| 18 | Malin Head | 1026.9 | -6 | NNW | 2 | bc | 52 | 85 | 7 | 8 | 4 | – | 2-3 | 4-6 | 2500 |
| | Aldergrove | 1026.0 | -10 | N | 4 | c | 55 | 65 | 8 | 8 | 3 | – | 7-8 | 9 | 2500 |
| 19 | Birr Castle | 1027.0 | -12 | NW | 2 | c | 57 | 55 | 8 | 8 | 7 | – | 4-6 | 7-8 | 2500 |
| 20 | Valentia Obsy. † | 1028.5 | -10 | NW | 3 | c | 53 | 55 | 8 | 5 | – | – | 9+ | 9+ | 4000 |
| | Roches Point | 1026.9 | * | N | 4 | c | 53 | 65 | 8 | 8 | 1 | – | 7-8 | 9 | 2500 |

### OBSERVATIONS at 18h. G.M.T. 22nd April

| Stations | Barom. at M.S.L. mb. (15) | Change in 3 hours (16) | Wind Direc. (17) | Wind Force 0-12 (18) | Weather (19) | °F. Temp. (20) | % Humid. (21) | Visibility 0-9 (22) | Cloud Form Low (23) | Cloud Form Med. (24) | Cloud Form High (25) | Cloud Amount Low 0-10 (26) | Cloud Amount Total 0-10 (27) | Height of Base (feet) (28) | State of Ground 0-9 (29) | Sea 0-9 (30) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| London (Kew) | 1020.4 | -2 | NNW | 3 | z$_o$ | 47 | 65 | 6 | 5 | – | – | 10 | 10 | 2500 | 0 | * |
| Croydon | 1020.1 | -2 | N'W | 3 | z$_o$ | 48 | 65 | 6 | 5 | 2 | – | 7-8 | 10 | 5700 | 0 | * |
| S. Farnborough | 1020.9 | -2 | NNW | 2 | c | 46 | 75 | 7 | 5 | – | – | 10 | 10 | 4000 | 1 | * |
| Boscombe Down | 1021.2 | 0 | NE'N | 1 | c/r | 44 | 92 | 7 | 5 | 2 | – | 9+ | 10 | 2500 | 1 | * |
| Calshot (Sthmtn.) | 1021.0 | +4 | N'W | 3 | ir$_o$ | 48 | 75 | 6 | 5 | 2 | – | 9+ | 9+ | 2500 | 0 | 2 |
| Lympne | 1019.9 | -2 | N'E | 2 | pr | 47 | 75 | 7 | 5 | 3 | – | 9 | 9+ | 4000 | 0 | §1 |
| Manston | 1019.3 | 0 | NE | 2 | c/pr | 45 | 85 | 7 | 5 | – | – | 9+ | 9+ | 2500 | 1 | * |
| Shoeburyness | 1019.7 | -2 | N | 3 | c | 50 | 65 | 8 | 8 | 7 | – | 9 | 9+ | 2500 | 0 | * |
| Felixstowe | 1019.8 | 0 | N'W | 3 | c/pr | 46 | 75 | 8 | 8 | 3 | – | 4-6 | 9+ | 4000 | 1 | 2 |
| Gorleston | 1019.2 | 0 | NNW | 4 | c | 48 | 75 | 6 | 8 | – | – | 9+ | 9+ | 2500 | 0 | 3 |
| Mildenhall | 1020.1 | 0 | N'W | 3 | c/p | 47 | 75 | 8 | 8 | 3 | 6 | 4-6 | 7-8 | 2500 | 0 | * |
| Cranwell | 1020.8 | -2 | N | 3 | c | 48 | 75 | 8 | 8 | 5 | 4 | 4-6 | 9 | 2500 | 0 | * |
| Birmingham | 1020.8 | -4 | NNE | 3 | o | 48 | 75 | 6 | 6 | – | – | 10 | 10 | 1500 | | * |
| Upper Heyford | 1021.4 | -4 | NNW | 2 | z$_o$ | 46 | 75 | 6 | 5 | – | – | 9+ | 9+ | 2500 | 0 | * |
| Ross-on-Wye | 1021.8 | 0 | NW'W | 1 | z$_o$ | 47 | 85 | 5 | 5 | – | – | 10 | 10 | 800 | 1 | * |
| Bristol | 1021.7 | +6 | E'N | 3 | c/r | 47 | 97 | 6 | 6 | 7 | – | 4-6 | 10 | 1500 | 1 | * |
| Portland Bill | 1020.6 | +4 | N | 2 | pr | 50 | 85 | 7 | 4 | – | – | 10 | 10 | 2500 | 1 | 2 |
| Plymouth | 1021.8 | -2 | NNW | 4 | c | 53 | 75 | 8 | 5 | 9 | 6 | 4-6 | 9+ | 2500 | 0 | 1 |
| The Lizard | 1022.8 | -2 | NNW | 4 | bc | 51 | 75 | 8 | 4 | 7 | – | 4-6 | 4-6 | 2500 | 0 | 1 |
| Scilly (St. Mary's) | 1024.5 | -6 | N | 4 | c | 52 | 75 | 8 | 5 | – | 3 | 2-3 | 7-8 | 4000 | 0 | 2 |
| Guernsey | 1021.2 | -8 | NW'W | 3 | c | 54 | 75 | 7 | – | 3 | 8 | 0 | 7-8 | – | 0 | 2 |
| Pembroke | 1023.3 | -6 | NNW | 3 | c | 51 | 75 | 7 | 5 | 7 | – | 4-6 | 9 | 4000 | 0 | 1 |
| Holyhead | 1023.2 | -2 | N | 4 | ir$_o$ | 49 | 85 | 7 | 7 | 7 | – | 4-6 | 10 | 4000 | 0 | 3 |
| Chester (Sealand) | 1022.6 | 0 | NNE | 2 | c | 52 | 65 | 6 | 5 | 3 | – | 4-6 | 9+ | 4000 | 0 | * |
| Manchester | 1022.0 | 0 | NE | 2 | z$_o$ | 51 | 65 | 6 | 7 | 9 | 2 | 4-6 | 9 | 5700 | 0 | * |
| Spurn Head | 1020.7 | -4 | N'W | 3 | bc | 48 | 85 | 7 | 4 | – | 3 | 4-6 | 4-6 | 4000 | 0 | 3 |
| Catterick | 1022.0 | -2 | N | 3 | c | 49 | 65 | 7 | 5 | 2 | – | 9 | 10 | 2500 | 0 | * |
| Tynemouth | 1021.9 | -4 | NNW | 4 | c | 47 | 85 | 8 | 8 | 4 | – | 7-8 | 9 | 1500 | 0 | 2 |
| St. Abbs Head | 1023.0 | 0 | NW | 2 | c | 47 | 75 | 9 | 9 | 2 | – | 7-8 | 10 | 2500 | 0 | 1 |
| Leuchars | 1022.6 | -4 | ESE | 2 | c | 50 | 75 | 7 | 5 | – | – | 10 | 10 | 2500 | 0 | * |
| Renfrew (Abbots I.) | 1022.4 | -8 | NW'W | 3 | c | 53 | 75 | 8 | 5 | – | – | 9+ | 9+ | 4000 | 0 | * |
| Eskdalemuir | 1022.1 | -6 | NE'N | 1 | c | 50 | 65 | 8 | 5 | 3 | – | 4-6 | 9+ | 1500 | 0 | * |
| Point of Ayre | 1022.9 | -2 | – | 0 | c | 50 | 92 | 7 | 8 | 7 | – | 4-6 | 10 | 1500 | 1 | 1 |
| Tiree | 1025.1 | -2 | NW | 3 | c | 50 | 85 | 7 | 5 | 3 | – | Tr | 9 | 4000 | 0 | 2 |
| Stornoway | 1024.0 | -2 | NW | 4 | c/pr | 49 | 75 | 8 | 5 | 7 | – | 7-8 | 9+ | 2500 | 1 | 2 |
| Dalwhinnie | 1023.7 | -4 | N | 1 | c | 48 | 75 | 7 | 5 | – | – | 10 | 10 | 2500 | 0 | * |
| Aberdeen | 1022.4 | 0 | N'W | 3 | c | 49 | 75 | 8 | 9 | – | – | 9+ | 9+ | 1500 | 0 | 1 |
| Wick | 1022.2 | -4 | NNW | 3 | c | 48 | 85 | 8 | 8 | 1 | – | 7-8 | 10 | 1500 | 1 | 2 |
| Lerwick | 1020.9 | -2 | NW | 2 | c | 45 | 85 | 8 | 8 | 2 | – | 7-8 | 10 | 1500 | 0 | * |
| Blacksod Point | 1027.4 | -8 | N'W | 4 | bc | 53 | 85 | 8 | 2 | 3 | – | 2-3 | 4-6 | 1500 | 0 | 3 |
| Malin Head | 1026.0 | -4 | NW | 2 | cjf | 51 | 92 | 7 | 8 | 7 | 3 | 2-3 | 7-8 | 1500 | 0 | 1 |
| Aldergrove | 1024.8 | -2 | N | 4 | c | 53 | 65 | 8 | 2 | 3 | – | 2-3 | 9+ | 2500 | 0 | * |
| Birr Castle | 1025.9 | -8 | NW | 1 | c | 56 | 65 | 8 | 5 | – | – | 7-8 | 7-8 | 4000 | 0 | * |
| Valentia Obsy. † | 1026.9 | -8 | NNE | 3 | c | 52 | 65 | 8 | 5 | – | 1 | 9+ | 9+ | 4000 | 0 | 0 |
| Roches Point | 1025.1 | * | N'W | 2 | c | 57 | 75 | 8 | 8 | 3 | 5 | 4-6 | 7-8 | 2500 | 0 | 1 |

### PAST 24 HOURS. WEATHER.

| Stations | 7h.—13h. 22nd (37) | 13h.—18h. 22nd (38) | 18h. 22nd to 1h. 23rd (39) | 1h.—7h. 23rd (40) |
|---|---|---|---|---|
| London (Kew) | cm$_o$cpr$_o$ | ir$_o$cz$_o$ | cz$_o$bm$_o$ | bxor$_o$r$_o$ |
| Croydon | r$_o$pr$_o$y | r$_o$z$_o$y | cbz$_o$w | bw,cr$_o$ |
| S. Farnborough | cm$_o$pr$_o$y | cpr$_o$yr$_o$cc | c,bm$_o$ | bcir$_o$m |
| Boscombe Down | bcc | cyr$_o$r$_o$m$_o$c | cm$_o$ | cm$_o$fcir$_o$ |
| Calshot (Sthmtn.) | cbccy | cycir$_o$z$_o$ | cm$_o$w | cm$_o$wcm |
| Lympne | r$_o$pr$_o$c | c | cpr$_o$bc | cm$_o$d$_o$ |
| Manston | cm$_o$c | cpr$_o$c | cpr$_o$bc | cddm$_o$ |
| Shoeburyness | p$_o$cxy | cvyc | c | ir$_o$m$_o$c |
| Felixstowe | cpr$_o$bcc | cpr$_o$c | cbcb | bcod$_o$d$_o$ |
| Gorleston | cpr$_o$cq | cpr$_o$cq | cprbc | oid$_o$o |
| Mildenhall | cr$_o$m$_o$c | cypr$_o$cv | bccpr$_o$bcc | cmddcm |
| Cranwell | cm$_o$cpr$_o$ | cpr$_o$q | cbcc | d$_o$d$_o$m$_o$c |
| Birmingham | cir | ir$_o$o | cbbcc | com |
| Upper Heyford | cr$_o$r$_o$ | r$_o$r$_o$c | cbcm$_o$ | cmir$_o$ |
| Ross-on-Wye | bcyc | cpop$_o$om$_o$ | om$_o$cbmbc | bcm$_o$om |
| Bristol | cbccy | cr$_o$r$_o$r$_o$ | cr$_o$bc | bccmw |
| Portland Bill | c | cpr$_o$ | bcbc | bcc |
| Plymouth | cbccy | cyc | cm$_o$pr$_o$ | bccm$_o$w |
| The Lizard | bcy | cbc | bcc | c |
| Scilly (St. Mary's) | cbcb | bbcc | cb | bcc |
| Guernsey | bcc | bcc | cir$_o$bc | bc |
| Pembroke | bcC | bcc | c | ir$_o$c |
| Holyhead | r$_o$c | r$_o$c | ir$_o$r$_o$c | r$_o$c |
| Chester (Sealand) | cd$_o$r$_o$c | cm$_o$z$_o$ | cz$_o$m$_o$ | cd$_o$d$_o$m$_o$ |
| Manchester | cr$_o$m$_o$z$_o$ | z$_o$ccz$_o$ | cz$_o$c | cz$_o$cm |
| Spurn Head | ccq | cqc | cpr$_o$c | c |
| Catterick | ir$_o$z$_o$c | c | c | c |
| Tynemouth | cp$_o$c | c | cp$_o$o | oir$_o$ |
| St. Abbs Head | cir$_o$ | c | c | ircpr |
| Leuchars | cpr$_o$c | c | cz$_o$id$_o$c | cjpc |
| Renfrew (Abbots I.) | c | c | c | c |
| Eskdalemuir | crc | c | cid$_o$c | c |
| Point of Ayre | c | crr | c | c |
| Tiree | cbc | bc | cbc [illegible] | bbcw |
| Stornoway | cpr | cpr$_o$ | c | cbc |
| Dalwhinnie | ciro | cir$_o$ | | ciro |
| Aberdeen | cbr$_o$ | c | cz$_o$r$_o$ | ccpr$_o$ |
| Wick | cd$_o$c | c | idm$_o$c | c |
| Lerwick | c | c | c | cid$_o$ |
| Blacksod Point | c | c | bc | bc |
| Malin Head | cbc | cbcc | c | c |
| Aldergrove | c | c | c | c,w,m$_o$ |
| Birr Castle | cy | c | cb | boff |
| Valentia Obsy. † | cwcy | c | cbcbwc | cbwbc |
| Roches Point | c | cbcc | cbc | bc |

## EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

### COLUMNS 5, 19, 37, 38, 39, 40—BEAUFORT NOTATION AND SYMBOLS FOR WEATHER.

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog ,, less than 220 yds.
fs, low fog over sea (coast station).
fg, low fog over land (inland station).
m, mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jf, fog at a distance, but not at station.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/s$_o$, slight storm of drifting snow (generally low).
k/S, heavy storm of drifting snow (generally low).
s$_o$/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze: the turbid atmosphere of dry weather.
h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus R, heavy rain. r$_o$, slight rain. rr, continuous rain.
<, less than (for cloud height).
⊕, Solar halo. ⦶ lunar halo. ⫽ gale.
With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions thus:—bc/r, fair weather after rain; —, has decreased; +, has increased.

### COLUMNS 9, 23.—FORM OF LOW CLOUD.

0 No low clouds.
1 Fair weather Cu.
2 Large Cu without anvil.
3 Cb.
4 Sc formed by the spreading out of Cu.
5 Layer of St or Sc.
6 Ragged low clouds of bad weather (or fractonimbus).
7 Fair weather Cu. and Sc.
8 Large-Cu (or Cb) and Sc.
9 Large-Cu (or Cb) and ragged low clouds of bad weather.

### COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4-6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries. "tr" signifies a small amount of cloud (trace) covering less than 1/20 of the sky. "9+" signifies an overcast sky with a few small openings.

### COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

0 No medium clouds.
1 Typical As (thin).
2 Typical As (thick) (sun or moon invisible), or Nimbostratus (Ns).
3 Single layer of Ac or high Sc.
4 Ac in isolated patches. Individually decreasing (often lenticular).
5 Ac in bands (increasing).
6 Ac formed from the spreading out of Cu.
7 Ac associated with As or As with parts resembling Ac.
8 Ac Castellatus (or Ac in ragged fragments).
9 Ac in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

### COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

0 No cirriform cloud.
1 Fine Ci not increasing: sparse.
2 Fine Ci not increasing: abundant but not a continuous layer.
3 Anvil Ci (usually dense).
4 Fine Ci increasing: usually in tufts.
5 Ci or Cs increasing: still below 45° altitude: often in polar bands.
6 Ci or Cs increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Cs covering whole sky.
8 Cs not increasing and not covering whole sky.
9 Cc predominating, and a little cirrus.
(Cc may occur with any of the types 1 to 8).

Cloud form abbreviations:—
Cirrus,–Ci: Cirrocumulus,–Cc: Cirrostratus,–Cs: Altocumulus,–Ac: Altostratus,–As
Stratocumulus,–Sc: Stratus,–St: Nimbostratus,–Ns: Cumulus,–Cu: Cumulonimbus,–Cb

### COLUMN 29.—STATE OF GROUND.

0 .. Ground dry.
1 .. ,, wet.
2 .. ,, flooded.
3 .. ,, frozen hard and dry.
4 .. ,, partly covered with snow or hail.
5 .. ,, covered with ice or glazed frost.
6 .. Ground covered with thawing snow.
7 .. ,, covered with snow, less than 6 ins., deep but ground not frozen.
8 .. ,, covered with snow, less than 6 ins., but ground frozen.
9 .. ,, covered with snow greater than 6 ins. deep.

NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

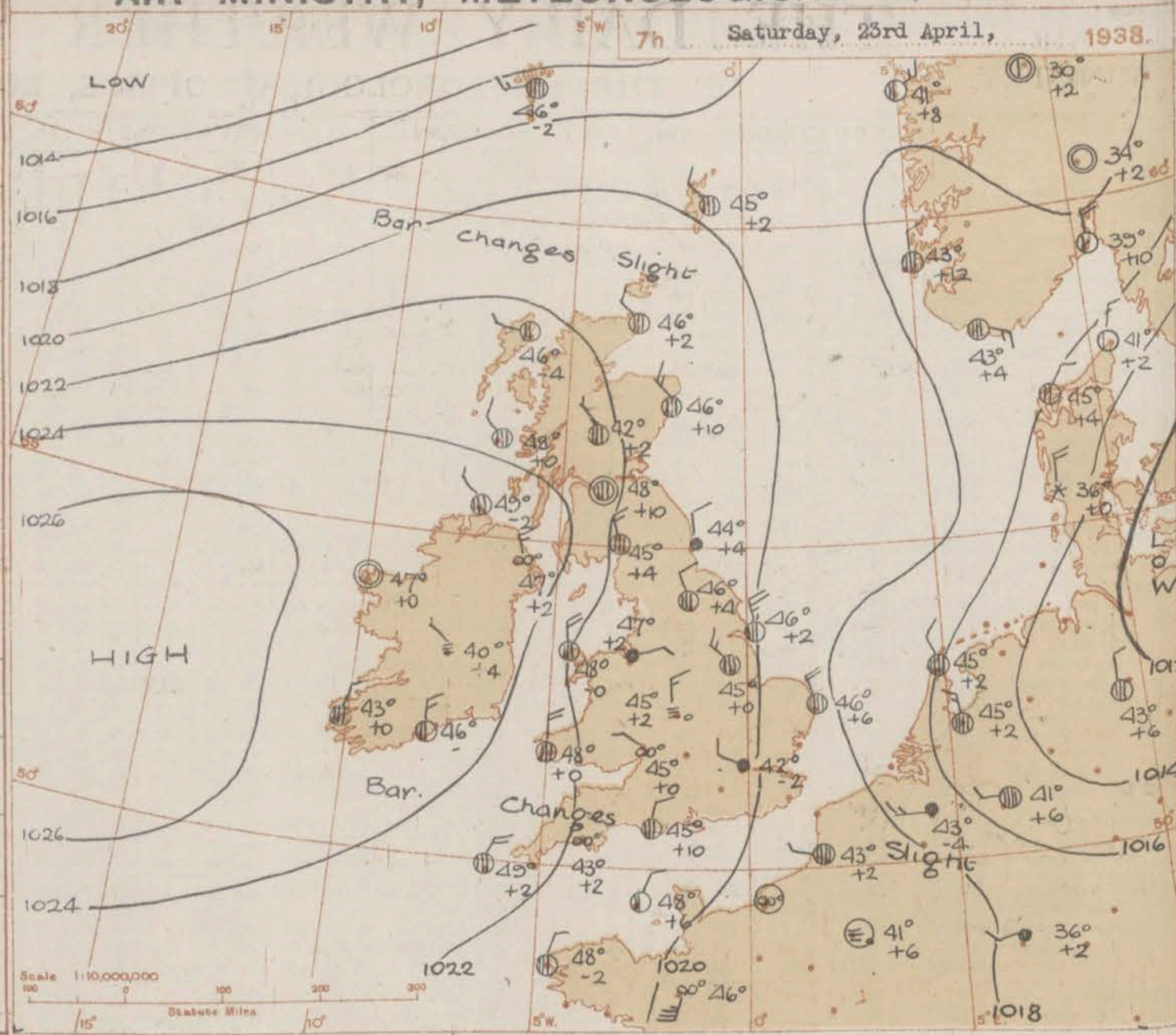
† Sea disturbance reported from Dungeness.

# AIR MINISTRY, METEOROLOGICAL OFFICE.

## REPORTS from HEALTH RESORTS for 22nd April, 1938.

| Districts. | Stations. | Weather. Forenoon. | Weather. Afternoon. | Temperature (°F.) Min. 9h. 21st to 9h. 22nd | Temperature (°F.) Max. 9h.—17h. 22nd | Rainfall (mm.) Night. 17h. 21st to 9h. 22nd | Rainfall (mm.) Day. 9h.—17h. 22nd | Sunshine (Hrs.) Sunrise to 17h. 22nd | Sunshine (Hrs.) Sunrise to Sunset. 21st |
|---|---|---|---|---|---|---|---|---|---|
| 1 | Tunbridge W. | oc | b,coc | 39 | 53 | — | Trace | 0.3 | 0.7 |
| | Bournemouth | cbc | bccp. | 46 | 61 | — | Trace | 3.5 | 1.3 |
| | Ventnor ... | cpbc | bcop | 45 | 58 | Trace | Trace | 5.2 | 0.7 |
| | Southsea ... | bcb | cp. | 43 | 53 | — | Trace | 2.8 | 0.6 |
| | Bognor Regis | bcobc | bcor. | 41 | 51 | — | Trace | 1.7 | 0.3 |
| | Littlehampton | c | cpc | 40 | 57 | — | 0.2 | 1.8 | 0.5 |
| | Worthing ... | bccbc | cr. | 42 | 56 | — | Trace | 0.6 | 0.2 |
| | Brighton ... | cbc | cdcdc | 43 | 55 | Trace | Trace | 0.4 | 0.8 |
| | Eastbourne† ... | co | oy | 44 | 55 | — | — | 0.7 | 0.4 |
| | Hastings† ... | co | cbcco | 42 | 57 | 0.3 | — | 0.8 | 0.1 |
| | Folkestone ... | corc | cbcc | 42 | 56 | 1 | Trace | 2.8 | 0.4 |
| | Dover ... | orbc | cpc | 43 | 53 | 1 | Trace | 2.0 | 0.7 |
| | Deal ... ... | oc | cbco | 41 | 54 | 1 | — | 1.9 | 1.0 |
| | Ramsgate ... | c | c | 44 | 51 | 1 | — | 2.8 | 1.7 |
| | Margate ... | cbc | bcod. | 42 | 50 | 1 | Trace | 2.1 | 0.3 |
| 2 | Southend ... | oc | c | 43 | 51 | Trace | — | 0.8 | 0.1 |
| | Clacton-on-Sea | c | cbcc | 42 | 52 | 1 | — | 1.0 | 0.3 |
| | Dovercourt ... | doc | bcc | 42 | 51 | 2 | — | 0.6 | 0.3 |
| | Lowestoft ... | cirbc | bcir | 40 | 50 | 1 | 0.1 | 2.7 | 2.4 |
| | Skegness ... | bccbc | bcc | 42 | 51 | — | — | 4.0 | 4.0 |
| | Mablethorpe... | bcbc | bbc | 43 | 51 | — | — | 5.2 | 4.9 |
| | Cleethorpes ... | cr. | bc | 45 | 51 | — | Trace | 3.8 | 3.8 |
| 3 | Leamington S. | cob | cpc | 45 | 55 | — | 1 | 1.3 | 0.6 |
| 4 | Cheltenham† | cbcc | oirozr | 45 | 58 | — | 2 | 2.1 | 0.5 |
| 5 | Bath ... ... | cbcb | bcer. | 46 | 58 | Trace | 0.3 | 3.6 | 0.2 |
| | Weymouth ... | cb | bcpc | 47 | 62 | — | 1 | 5.0 | 0.7 |
| | Jersey ... | cbcc | cbc | 45 | 57 | — | — | 5.7 | 3.1 |
| | Torquay ... | bc | bccqy | 48 | 60 | — | — | 6.1 | 1.8 |
| | Falmouth | b | b | 45 | 58 | — | — | 8.0 | 7.1 |
| | Penzance ... | b | bbcbc | 46 | 59 | — | — | 3.6 | 5.5 |
| | St. Ives ... | b | b | 41 | 56 | — | — | 10.3 | 11.0 |
| | Bude... ... | cbc | bcc | 47 | 54 | — | — | 5.5 | 4.2 |
| | Ilfracombe ... | ocbcc | cbcc | 47 | 52 | — | — | 0.4 | 0.8 |
| 6 | Aberystwyth | cbcc | prc | 48 | 52 | — | Trace | 1.8 | 0.6 |
| 7 | Llandudno ... | c | cpc | 46 | 52 | — | Trace | 0.2 | 1.9 |
| | Colwyn Bay... | oc | cbpo | 47 | 52 | Trace | Trace | 0.0 | 1.5 |
| | Rhyl ... ... | cr. | c | 47 | 53 | Trace | Trace | 0.1 | 0.2 |
| 8 | Wallasey ... | cp. | c | 47 | 52 | — | Trace | 0.5 | 0.5 |
| | Southport ... | bccoc | cocv | 46 | 55 | — | — | 1.2 | 0.7 |
| | Blackpool ... | cm.op | oc | 44 | 54 | — | Trace | 1.0 | 0.6 |
| | Morecambe ... | cidc | bcbc | 46 | 54 | Trace | — | 0.7 | 3.0 |
| 9 | Ilkley... ... | c | c | 39 | 50 | — | — | 0.0 | 0.8 |
| | Harrogate ... | c | c | 41 | 49 | 0.3 | — | 0.4 | 5.3 |
| 10 | Berwick-on-T. | c | o | 40 | 49 | 0.2 | — | 0.0 | 6.8 |
| 11 | Dunbar ... | cm. | bc | 41 | 50 | — | — | 0.0 | 4.5 |
| 12 | Troon... ... | cocbc | coc | 44 | 54 | — | — | 0.2 | 0.8 |
| | Douglas ... | cq | c | 49 | 52 | — | — | 1.5 | 1.8 |

† Max. Temp. for period 21h. yesterday to 17h. to-day: Min. Temp. 21h.-9h.




BAROMETER. Isobars are drawn for intervals of two millibars.
WIND, WEATHER SYMBOLS. For explanation see opposite page.
SEA DISTURBANCE. Rough. High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

| Districts. | FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 23rd April, 1938. |
|---|---|
| 1 S.E. England<br>2 E. England ...<br>3 E. Midlands ... | Light north winds; mainly cloudy, light local rain; temperature rather low. |
| 4 W. Midlands ...<br>5 S.W. England<br>6 South Wales ... | Light north winds; mainly fine; average temperature. |
| 7 North Wales ...<br>8 N.W. England<br>9 N. Midlands ...<br>10 N.E. England<br>11 S.E. Scotland | Light northwest to north winds; fair periods; light local showers; average temperature. |
| 12 S.W. Scotland & Isle of Man.<br>13 A. W. Scotld. B.N.W.Scotland.<br>14 Mid Scotland<br>15 N. E. Scotland<br>16 Orkney and Shetland | Light northwest to west winds; bright periods, local rain later; average temperature. |
| 17 N. W. Ireland<br>18 N. E. Ireland<br>19 S. E. Ireland<br>20 S. W. Ireland | Light variable winds; mainly fine; average temperature. |

### GENERAL INFERENCE

An anticyclone over Western Ireland is decreasing in intensity. Weather will continue mainly fine in Ireland and the Southwest. In the eastern half of England there will be light rain and later also in North and West Scotland.

### FURTHER OUTLOOK.

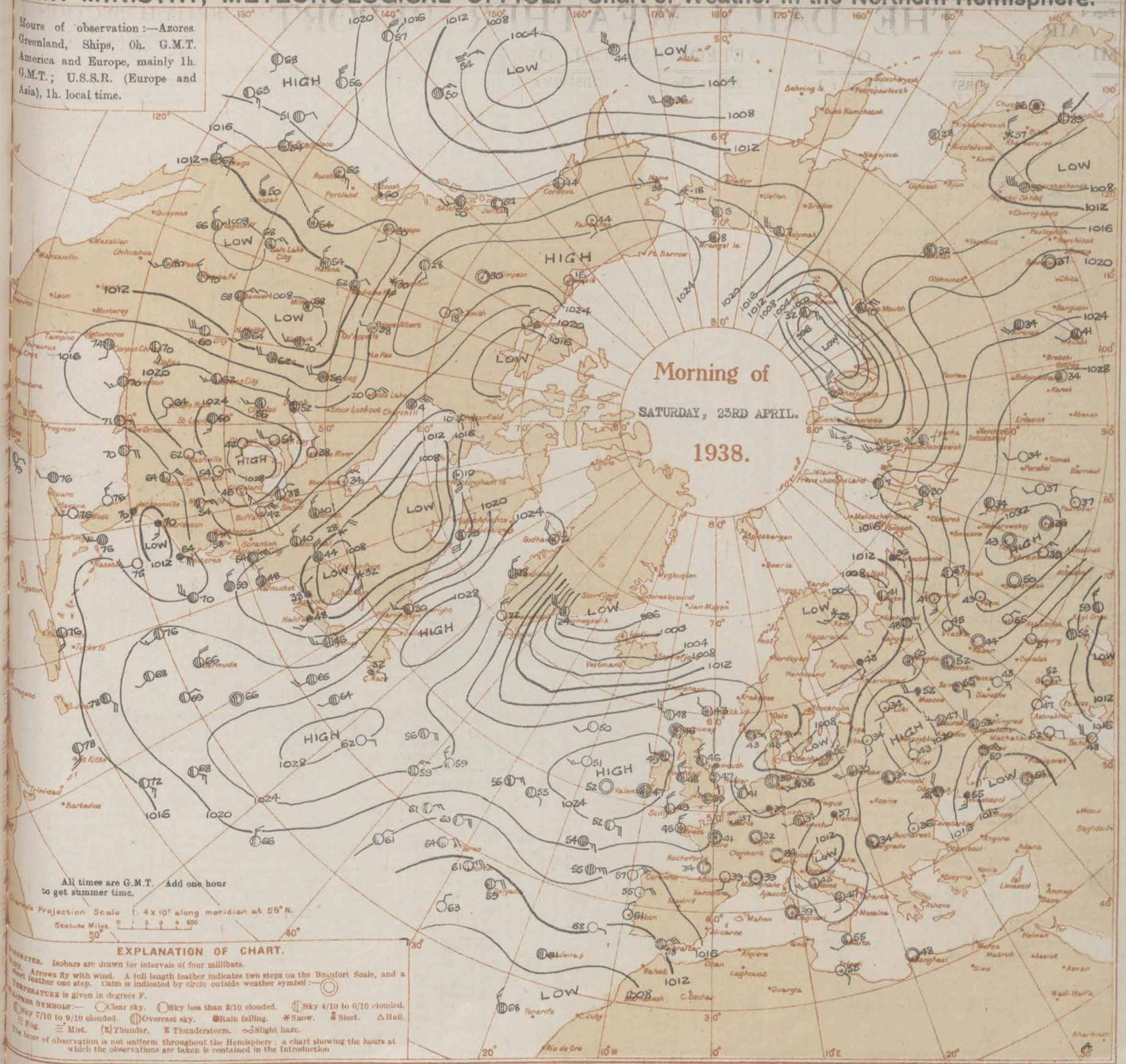
Little change.

Forecasts issued at 1000 G.M.T.

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S., Director.

H.M. Stationery Office Press, Kingsway, W.C.2

# AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.



Page 4.

AIR MINISTRY.

# THE DAILY WEATHER REPORT

## OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Saturday, 23rd April, 1938.

No. 27911.

### OBSERVATIONS at 1 hr. G.M.T. 23rd April

| District | Stations | Height above M.S.L. in feet | Barom. at M.S.L. mb. (1) | Change in 3 hours (2) | Wind Direc. (3) | Wind Force 0–12 (4) | Weather (5) | Temp. °F. (6) | % Humid. (7) | Visibility 0–9 (8) | Cloud Form Low (9) | Cloud Form Med. (10) | Cloud Form High (11) | Cloud Amount Low 0–10 (12) | Cloud Amount Total 0–10 (13) | Height of Base (feet) (14) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | London (Kew) | 18 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Croydon | 217 | 1020·6 | +2 | NNW | 1 | z₀ | 39 | 92 | 6 | 5 | 3 | - | Tr | 1 | 7200 |
| | S. Farnborough | 226 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Boscombe Down | 417 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Calshot (Sthmtn.) | 8 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Lympne | 346 | 1020·4 | -2 | NNW | 2 | bc | 40 | 92 | 7 | 5 | - | - | 4·6 | 4·6 | 1500 |
| | Manston | 142 | 1019·4 | -4 | N | 3 | c | 43 | 85 | 7 | 5 | - | - | 9+ | 9+ | 5700 |
| 2 | Shoeburyness | 11 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Felixstowe | 15 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Gorleston | 5 | 1018·3 | -8 | NWW | 3 | c | 45 | 85 | 7 | 8 | - | - | 9 | 9 | 2500 |
| | Mildenhall | 19 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Cranwell | 240 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 3 | Birmingham | 535 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Upper Heyford | 408 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 4 | Ross-on-Wye | 223 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 5 | Bristol | 209 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Portland Bill | 32 | 1020·5 | -2 | NNE | 2 | bc | 43 | 92 | 7 | 4 | - | - | 4·6 | 4·6 | 2500 |
| | Plymouth | 82 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | The Lizard | 240 | 1022·3 | -4 | N | 3 | c | 48 | 85 | 8 | 5 | 2 | - | 7·8 | 10 | 1500 |
| | Scilly (St. Mary's) | 163 | 1022·5 | -14 | N'W | 4 | bc | 49 | 92 | 8 | 5 | 4 | 3 | 2·3 | 4·6 | 4000 |
| | Guernsey | 175 | 1021·3 | 0 | NNE | 1 | bc | 47 | 85 | 7 | 5 | - | - | 4·6 | 4·6 | 2500 |
| 6 | Pembroke | 142 | 1022·9 | 0 | N'W | 3 | c | 48 | 97 | 8 | 5 | 2 | - | 4·6 | 9+ | 2500 |
| 7 | Holyhead | 26 | 1022·4 | -6 | N'W | 4 | c | 48 | 92 | 7 | 5 | 2 | - | 7·8 | 10 | 1500 |
| | Chester (Sealand) | 16 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 8 | Manchester | 70 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 10 | Spurn Head | 29 | 1019·6 | -4 | N'W | 5 | c | 47 | 92 | 7 | 5 | - | - | 10 | 10 | 2500 |
| | Catterick | 175 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Tynemouth | 108 | 1021·3 | -6 | NNW | 3 | o | 46 | 75 | 7 | 5 | - | - | 10 | 10 | 800 |
| 11 | St. Abb's Head | 260 | 1021·8 | -10 | - | 0 | c | 45 | 85 | 8 | 5 | 7 | - | 7·8 | 10 | 2500 |
| | Leuchars | 36 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 12 | Renfrew (Abbots I.) | 19 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Eskdalemuir | 794 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Point of Ayre | 30 | 1022·4 | -4 | NNW | 4 | c | 48 | 92 | 8 | 8 | 7 | - | 4·6 | 10 | 1500 |
| 13A | Tiree | 22 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 13B | Stornoway | 80 | 1023·6 | -4 | - | 0 | c | 46 | 92 | 8 | 5 | 2 | - | 4·6 | 10 | 2500 |
| 15 | Dalwhinnie | 1176 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Aberdeen | 79 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Wick | 81 | 1020·9 | -6 | NNW | 5 | c | 47 | 85 (97) | 8 | 5 | 2 | - | 7·8 | 10 | 1500 |
| 16 | Lerwick | 156 | 1020·4 | -2 | NW | 1 | c | 43 | 85 | 8 | 8 | - | - | 7·8 | 7·8 | 1500 |
| 17 | Blacksod Point | 18 | 1026·4 | -6 | - | 0 | b | 45 | 92 | 8 | 1 | - | - | 1 | 1 | 2500 |
| 18 | Malin Head | 84 | 1024·7 | -8 | W | 2 | c | 49 | 92 | 6 | 4 | - | - | 7·8 | 7·8 | 2500 |
| | Aldergrove | 268 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 19 | Birr Castle | 173 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 20 | Valentia Obsy. † | 30 | 1025·9 | -6 | - | 0 | bc | 47 | 97 | 8 | 5 | - | - | 2·3 | 2·3 | 1500 |
| | Roches Point | 22 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |

### OBSERVATIONS at 7 hr. G.M.T. 23rd April — PAST 24 HOURS.

| District | Stations | Barom. at M.S.L. mb. (15) | Change in 3 hours (16) | Wind Direc. (17) | Wind Force 0–12 (18) | Weather (19) | Temp. °F. (20) | Humid. % (21) | Visibility 0–9 (22) | Cloud Form Low (23) | Cloud Form Med. (24) | Cloud Form High (25) | Cloud Amount Low 0–10 (26) | Cloud Amount Total 0–10 (27) | Height of Base (feet) (28) | State of Ground 0–9 (29) | Sea 0–9 (30) | Temp. Max. Day 7h–18h °F. (31) | Temp. Min. Night 18h–7h °F (32) | Min. on Grass °F. (33) | Rainfall Day 7h–18h mm. (34) | Rainfall Night 18h–7h mm. (35) | Sunshine 22nd Hrs. (36) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | London (Kew) | 1020·1 | +2 | NW'N | 2 | r₀r₀ | 44 | 85 | 5 | - | 2 | - | 10 | 10 | 4000 | 1 | * | 54 | 41 | 28 | Tr | Tr | 0·7 |
| | Croydon | 1020·0 | -2 | NWW | 2 | r₀r₀ | 42 | 92 | 4 | 6 | 2 | - | 4·6 | 10 | 1500 | 0 | * | 54 | 39 | 32 | Tr | Tr | 0·1 |
| | S. Farnborough | 1020·2 | +2 | NNW | 2 | ir₀ | 41 | 85 | 5 | 5 | - | - | 10 | 10 | 1500 | 1 | * | 56 | 33 | 23 | 0·2 | Tr | 1·3 |
| | Boscombe Down | 1021·2 | +6 | N'W | 1 | ir₀ | 40 | 97 | 4 | 5 | 2 | - | 9+ | 10 | 2500 | 1 | * | 54 | 35 | 32 | 0·2 | Tr | 1·7 |
| | Calshot (Sthmtn.) | 1021·1 | +6 | NW | 3 | z₀ | 42 | 85 | 5 | 5 | - | - | 9+ | 9+ | 4000 | 0 | 1 | 58 | 40 | 37 | Tr | - | 3·0 |
| | Lympne | 1019·3 | -2 | NW | 2 | d₀d₀ | 41 | 97 | 4 | 5 | - | - | 10 | 10 | 460 | 0 | §0 | 52 | 38 | 35 | 0·2 | 0·5 | 1·7 |
| | Manston | 1018·6 | +2 | NWN | 3 | DD | 43 | 97 | 5 | 6 | 2 | - | 9 | 10 | 450 | 0 | * | 52 | 40 | 38 | Tr | 0·1 | 2·5 |
| 2 | Shoeburyness | 1018·9 | 0 | NW | 3 | c/r | 44 | 92 | 6 | 6 | 2 | - | 4·6 | 10 | 1500 | 1 | * | 56 | 39 | 30 | 0·1 | 0·1 | 1·1 |
| | Felixstowe | 1018·6 | +2 | NWN | 3 | d₀d₀ | 44 | 97 | 5 | 5 | 2 | - | 9+ | 10 | 800 | 1 | 1 | 51 | 40 | 37 | Tr | 0·1 | 0·4 |
| | Gorleston | 1018·0 | +6 | NNW | 4 | o | 46 | 85 | 6 | 6 | - | - | 10 | 10 | 2500 | 1 | 2 | 50 | 42 | 42 | Tr | 1 | 1·8 |
| | Mildenhall | 1019·2 | +4 | NWN | 4 | r₀r₀ | 45 | 97 | 6 | 5 | - | - | 10 | 10 | 1500 | 1 | * | 54 | 36 | 29 | Tr | 0·4 | 3·1 |
| | Cranwell | 1020·0 | 0 | NWN | 3 | c | 45 | 85 | 7 | 5 | 7 | 1 | 4·6 | 10 | 4000 | 0 | * | 50 | 43 | 35 | 0·1 | Tr | 0·9 |
| 3 | Birmingham | 1020·5 | +2 | N | 3 | m | 45 | 85 | 4 | - | 2 | - | 10 | 10 | 4000 | 1 | * | 53 | 43 | 31 | 1 | - | 1·3 |
| | Upper Heyford | 1020·7 | -2 | NNW | 3 | c/r | 43 | 85 | 5 | 5 | - | - | 10 | 10 | 1500 | 1 | * | 53 | 38 | 32 | 0·1 | Tr | * |
| 4 | Ross-on-Wye | 1021·5 | 0 | NW | 1 | z₀ | 45 | 92 | 6 | 5 | - | - | 10 | 10 | 1500 | 0 | * | 57 | 41 | 31 | 0·2 | - | 4·0 |
| 5 | Bristol | 1021·3 | -2 | NW | 1 | z₀ | 45 | 92 | 5 | 5 | 7 | - | 4·6 | 10 | 4000 | 1 | * | 53 | 37 | 29 | 1 | Tr | 3·1 |
| | Portland Bill | 1020·8 | +10 | NNE | 2 | c | 45 | 92 | 7 | 4 | - | - | 10 | 10 | 2500 | 1 | 2 | 60 | 42 | * | Tr | Tr | * |
| | Plymouth | 1021·7 | +2 | - | 0 | z₀ | 43 | 85 | 6 | 5 | 3 | - | 4·6 | 9+ | 7200 | 0 | 0 | 58 | 41 | 33 | - | 0·3 | 5·6 |
| | The Lizard | 1022·5 | +2 | NNE | 2 | c | 48 | 92 | 7 | 5 | 3 | - | 7·8 | 9+ | 1500 | 0 | 2 | 59 | 46 | * | - | - | 6·9 |
| | Scilly (St. Mary's) | 1022·2 | +2 | NE'N | 4 | c | 49 | 92 | 8 | 5 | 2 | - | 7·8 | 10 | 2500 | 0 | 2 | 55 | 48 | * | - | - | 1·3 |
| | Guernsey | 1021·1 | +6 | NE'N | 2 | bc | 48 | 75 | 7 | 1 | 3 | - | 4·6 | 4·6 | 2500 | 0 | 1 | 57 | 45 | 39 | - | 0·1 | 6·6 |
| 6 | Pembroke | 1022·0 | 0 | N | 4 | c | 48 | 92 | 7 | 5 | 2 | - | 7·8 | 10 | 1500 | 1 | 1 | 56 | 47 | * | - | Tr | 7·2 |
| 7 | Holyhead | 1021·8 | 0 | N'W | 4 | c | 48 | 92 | 7 | 5 | - | - | 10 | 10 | 800 | 0 | 3 | 52 | 47 | 46 | Tr | 0·4 | 0·7 |
| | Chester (Sealand) | 1021·7 | +2 | ENE | 1 | d₀d₀ | 47 | 92 | 5 | 5 | - | - | 10 | 10 | 800 | 0 | * | 54 | 46 | 44 | 0·1 | 0·2 | 0·2 |
| 8 | Manchester | 1021·6 | +4 | NNE | 1 | m | 47 | 85 | 4 | 5 | 3 | - | 4·6 | 10 | 4000 | 1 | * | 52 | 45 | 42 | Tr | - | 0·1 |
| 10 | Spurn Head | 1019·9 | +2 | N'W | 5 | c | 46 | 92 | 7 | 5 | - | - | 10 | 10 | 2500 | 0 | 3 | 50 | 45 | * | - | 0·1 | 1·4 |
| | Catterick | 1021·2 | +4 | NNW | 2 | c | 46 | 85 | 7 | 5 | 7 | - | 7·8 | 10 | 4000 | 0 | * | 51 | 45 | 43 | 0·1 | - | 0·3 |
| | Tynemouth | 1021·2 | +4 | N | 2 | ir₀ | 44 | 92 | 6 | - | 2 | - | 10 | 10 | 800 | 1 | 14 | 52 | 44 | 42 | Tr | 0·2 | 1·1 |
| 11 | St. Abb's Head | 1021·6 | 0 | N | 4 | pr₀ | 45 | 92 | 7 | 3 | 2 | - | 7·8 | 10 | 800 | 1 | 2 | 47 | 43 | * | Tr | Tr | * |
| | Leuchars | 1022·4 | +8 | NW | 2 | c | 49 | 65 | 8 | 8 | - | - | 7·8 | 7·8 | 2500 | 0 | * | 53 | 45 | 43 | Tr | Tr | 0·0 |
| 12 | Renfrew (Abbots I.) | 1022·3 | +10 | - | 0 | c | 48 | 85 | 9 | 5 | - | - | 10 | 10 | 5700 | 0 | * | 55 | 45 | 44 | - | - | 0·0 |
| | Eskdalemuir | 1021·9 | +4 | N'W | 3 | c | 45 | 85 | 8 | 5 | - | - | 10 | 10 | 2500 | 0 | * | 51 | 41 | 41 | 0·1 | Tr | 0·0 |
| | Point of Ayre | 1022·2 | +2 | N | 4 | c | 48 | 85 | 8 | 8 | 7 | 6 | Tr | 9 | 800 | 0 | 3 | 53 | 47 | * | 1 | - | 1·0 |
| 13A | Tiree | 1023·6 | 0 | NW | 2 | c | 48 | 97 | 7 | 5 | - | - | 9 | 9 | 2500 | 0 | 2 | 53 | 44 | 42 | - | - | 3·6 |
| 13B | Stornoway | 1022·8 | -4 | WNW | 1 | bc | 45 | 85 | 8 | 5 | 5 | - | 2·3 | 4·6 | 2500 | 1 | 1 | 55 | 44 | * | 0·1 | - | 1·8 |
| 15 | Dalwhinnie | 1023·8 | +2 | NW | 1 | c | 42 | 85 | 8 | 5 | - | - | 10 | 10 | 4000 | 0 | * | 50 | 40 | 35 | Tr | Tr | 0·0 |
| | Aberdeen | 1021·6 | +10 | NWN | 3 | c/pr | 46 | 85 | 8 | 9 | - | - | 9+ | 9+ | 1500 | 1 | 1 | 51 | 45 | 43 | Tr | 0·5 | 0·0 |
| | Wick | 1021·3 | +2 | NW | 2 | c | 46 | 97 | 7 | 5 | 2 | - | 9 | 10 | 1500 | 1 | 1 | 51 | 45 | * | Tr | 0·6 | * |
| 16 | Lerwick | 1019·9 | +2 | NW | 2 | c | 45 | 92 | 8 | 8 | 7 | - | 7·8 | 9 | 1500 | 1 | * | 50 | 41 | * | - | 0·3 | 0·0 |
| 17 | Blacksod Point | 1025·5 | 0 | - | 0 | b | 47 | 97 | 7 | - | - | - | 0 | 0 | - | 0 | 2 | 55 | 41 | * | - | - | * |
| 18 | Malin Head | 1024·4 | -2 | NWN | 1 | c | 49 | 92 | 7 | 8 | 9 | - | 2·3 | 9 | 1500 | 0 | 1 | 54 | 46 | * | - | - | 8·7 |
| | Aldergrove | 1024·0 | +2 | N'W | 3 | z₀ | 47 | 85 | 6 | 5 | 3 | 8 | 2·3 | 9 | 800 | 0 | * | 56 | 42 | 33 | - | - | 3·9 |
| 19 | Birr Castle | 1025·1 | +4 | NW | 1 | of | 40 | 97 | 3 | 5 | - | - | 10 | 10 | 1500 | 0 | * | 58 | 36 | * | - | - | 4·1 |
| 20 | Valentia Obsy. † | 1025·5 | 0 | NE'N | 1 | bc | 43 | 92 | 8 | 5 | - | 6 | Tr | 4·6 | 4000 | 0 | 0 | 54 | 40 | 32 | Tr | Tr | 2·9 |
| | Roches Point | 1024·4 | * | N | 3 | bc | 46 | 92 | 8 | - | - | 5 | 0 | 2·3 | - | 0 | 1 | 57 | 45 | * | - | - | * |

### LONDON OBSERVATIONS

Day 7h—18h. Kew & Croydon.
9h—18h. Kensington.
9h—21h, other stations except for rainfall which is 9h—18h.

| Station | Height above M.S.L. in feet | Weather Morning (24 hrs. ended 9h.) | Weather Afternoon | Weather Night | Temp. Day Max. °F. | Temp. Night Min. °F. | Temp. Min. on Grass °F. | Rainfall Day mm. | Rainfall Night mm. | Sunshine to Sunset hrs. (Yesterday) | Humidity 15h. G.M.T. % (Yesterday) | Humidity 9h. G.M.T. % (To-day) | Visibility 9h. (To-day) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kew | 18 | cm₀cpr₀ | ir₀cz₀ | czbmr₀r₀ | 54 | 41 | 28 | Tr | Tr | 0·7 | · | · | 6 |
| Croydon | 217 | r₀pr₀y | r₀z₀y | cbzwcr₀ | 54 | 39 | 32 | Tr | Tr | 0·1 | · | · | 5 |
| Greenwich (Royal Observatory) | 149 | c | r₀c | cbcr₀ | 53 | 41 | 31 | Tr | Tr | 0·1 | 57 | 80 | 6 |
| City (Bunhill Row) | — | · | · | · | · | · | · | · | · | 0·7 | · | · | · |
| Westminster (St. James' Park) | 27 | · | · | · | 56 | 43 | 35 | - | - | 0·5 | 67 | 77 | · |
| Regents Pk. (Botanic Gardens)‡ | 168 | · | · | · | 56 | 40 | 30 | Tr | Tr | 0·2 | 59 | 77 | · |
| Camden Square | 110 | c | c | · | 56 | 41 | 30 | - | - | · | · | 73 | · |
| Kensington | 80 | c | c | · | 56 | 40 | 31 | - | Tr | 0·8 | At 18h. 70 | 77 | · |
| Hampstead Observatory | 450 | bc | bc | od | 53 | 38 | 30 | - | Tr | 1·0 | · | 87 | · |

### Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. 23rd

| South Kensington. | | | |
|---|---|---|---|
| Max. | Time. | Min. | Time. |
| Pollution defective | | | |

| Kew Observatory. | | | |
|---|---|---|---|
| Max. | Time. | Min. | Time. |
| 0·3 | 19h 22nd | <0·1 | 11h 22nd. |

### FOREIGN OBSERVATIONS.

| Stations | 18h. G.M.T. 22nd April Barom. mb. | Wind Direc. | Wind Force | Weather | Temp. °F. | 7h. G.M.T. 23rd April Barom. mb. | Wind Direc. | Wind Force | Weather | Temp. °F. | Past 24 Hours Max. Day °F. | Min. Night °F. | Rainfall Day mm. | Rainfall Night mm. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Paris | 1019·0 | S | 1 | c | 45 | 1019·3 | - | 0 | m | 41 | * | 36 | * | - |
| Brussels | 1017·6 | WSW | 1 | m | 41 | 1016·5 | W | 3 | d₀d₀ | 43 | 43 | 41 | 1 | 2 |
| Berlin | 1014·5 | SSW | 3 | c | 39 | 1011·9 | WSW | 3 | z₀ | 41 | 43 | 36 | - | 0·2 |
| Zurich | 1017·0 | W | 1 | bc | 43 | 1017·2 | SSE | 1 | c | 37 | 48 | 32 | - | - |
| Rome | 1011·0 | WSW | 5 | c | 50 | 1015·4 | NW | 4 | c | 43 | * | * | 12 | 2 |

## EXPLANATION of FIGURES, LETTERS, etc.

**COLUMNS 2, 16.**

The barometric tendency is expressed in tenths of a millibar.

**COLUMNS 4, 18.**

The Beaufort Scale of Wind is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers is the speed at about 30 feet above the ground.

| Beaufort No | Statute m/h. | Beaufort No. | Statute m/h. | Beaufort No. | Statute m/h. |
|---|---|---|---|---|---|
| 0 | <1 | 4 | 13–18 | 9 | 47–54 |
| 1 | 1–3 | 5 | 19–24 | 10 | 55–63 |
| 2 | 4–7 | 6 | 25–31 | 11 | 64–75 |
| 3 | 8–12 | 7 | 32–38 | 12 | > 75 |
| | | 8 | 39–46 | | |

**COLUMNS 34, 35.**

Tr. = rain has fallen, but amount less than 0·1 mm.

**COLUMNS 8, 22.—Code for surface visibility.**

| Code | | Objects not visible at |
|---|---|---|
| 0 | Dense fog | 55 yards. |
| 1 | Thick fog | 220 ,, |
| 2 | Fog | 550 ,, |
| 3 | Moderate fog | 1,100 ,, |
| 4 | Mist or haze | 1½ miles. |
| 5 | Poor visibility | 2½ ,, |
| 6 | Moderate ,, | 6¼ ,, |
| 7 | Good ,, | 12½ ,, |
| 8 | Very good ,, | 31 ,, |
| 9 | Excellent ,, | beyond 31m. |

**COLUMN 30.—Code for State of Sea.**

0 Calm. 5 Very rough.
1 Smooth. 6 High.
2 Slight. 7 Very high.
3 Moderate. 8 Precipitous.
4 Rough. 9 Confused.

TERMS OF SUBSCRIPTION. Single Copies, 1d. each: by post 1½d. 2/6 per month; 6/6 per quarter; 25/- per year.

METEOROLOGICAL OFFICE. AIR MINISTRY, ADASTRAL HOUSE, KINGSWAY, LONDON, W.C.2.

George C. Simpson, K.C.B., D.Sc., F.R.S. Director.

† 1 hr. observations are from Valentia W/T Station.  ‡ Maximum and Minimum Temperatures are for the 24 hours ending 8 h.  § Sea disturbance reported from Dungeness.

Page 1.

AIR MINISTRY.

# THE DAILY WEATHER REPORT

## OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Sunday, 24th April, 1938.
No. 27912.

### OBSERVATIONS at 13h. G.M.T. 23rd April

| District | Stations (For heights see p. 4.) | Barom. at M.S.L. mb. (1) | Change in 3 hours (2) | Wind Direc. (3) | Wind Force 0–12 (4) | Weather (5) | °F. Temp. (6) | % Humid. (7) | Visibility 0–9 (8) | Cloud Form Low (9) | Cloud Form Med. (10) | Cloud Form High (11) | Cloud Amount Low 0–10 (12) | Cloud Amount Total 0–10 (13) | Height of Base (feet) (14) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | London (Kew) | 1019.9 | +2 | N'W | 3 | zo | 51 | 65 | 6 | 5 | – | – | 10 | 10 | 2500 |
| | Croydon | 1019.7 | –2 | N'W | 3 | zo | 50 | 65 | 6 | 5 | 3 | – | 4-6 | 9+ | 2500 |
| | S. Farnborough | 1020.3 | +2 | N | 3 | zo | 46 | 75 | 6 | 5 | 7 | – | 9 | 10 | 1500 |
| | Boscombe Down | 1020.4 | –2 | N | 3 | zo | 50 | 65 | 6 | 5 | 2 | – | 9+ | 10 | 2500 |
| | Calshot (Sthmtn.) | 1020.4 | –2 | N'W | 3 | c | 51 | 65 | 7 | 5 | 7 | – | 7-8 | 10 | 1500 |
| | Lympne | 1019.8 | +2 | NNE | 3 | c/d | 47 | 75 | 8 | 8 | 3 | – | 7-8 | 9+ | 2500 |
| | Manston | 1019.2 | +4 | NNE | 3 | c | 46 | 85 | 7 | 5 | 2 | – | 9 (red: 6-8) | 10 | 2500 |
| 2 | Shoeburyness | 1019.2 | +2 | N'W | 2 | c | 49 | 75 | 8 | 8 | 7 | – | 7-8 | 10 | 1500 |
| | Felixstowe | 1019.0 | +2 | N | 4 | fg | 48 | 75 | 8 | 5 | 2 | – | 9+ | 10 | 2500 |
| | Gorleston | 1018.6 | +4 | N | 4 | c/pr | 47 | 85 | 6 | 8 | – | – | 10 | 10 | 2500 |
| | Mildenhall | 1019.6 | +2 | N'W | 3 | c | 50 | 85 | 8 | 8 | 7 | – | 9 | 10 | 2500 |
| | Cranwell | 1020.5 | 0 | NNE | 4 | c | 48 | 75 | 8 | 8 | – | – | 9 | 10 | 2500 |
| 3 | Birmingham | 1020.2 | 0 | NE | 3 | c | 51 | 65 | 6 | 5 | – | – | 10 | 10 | 2500 |
| | Upper Heyford | 1020.6 | +2 | NE | 3 | c | 48 | 75 | 7 | 5 | 1 | – | 9 | 10 | 1500 |
| 4 | Ross-on-Wye | 1020.5 | –4 | NNW | 2 | c | 53 | 65 | 7 | 5 | – | – | 10 | 10 | 2500 |
| 5 | Bristol | 1021.0 | –2 | N | 2 | c | 51 | 75 | 7 | 5 | 2 | – | 10 | 10 | 2500 |
| | Portland Bill | 1020.4 | 0 | NNE | 2 | ido | 50 | 85 | 7 | 5 | – | – | 10 | 10 | 1500 |
| | Plymouth | 1020.9 | –6 | NNE | 2 | roro | 55 | 65 | 8 | 6 | 2 | – | 9 | 10 | 2500 |
| | The Lizard | 1021.9 | 0 | SW | 1 | c | 54 | 65 | 7 | 8 | 2 | – | 9 | 9+ | 1500 |
| | Scilly (St. Mary's) | 1022.8 | +2 | NE'N | 4 | c | 53 | 85 | 7 | 6 | 3 | – | 7-8 | 9+ | 2500 |
| | Guernsey | 1020.6 | –2 | NW | 2 | o | 51 | 75 | 6 | 5 | – | – | 10 | 10 | 2500 |
| 6 | Pembroke | 1022.7 | 0 | N | 4 | c | 51 | 75 | 7 | 5 | 2 | – | 7-8 | 9+ | 1500 |
| 7 | Holyhead | 1022.0 | +2 | N'W | 3 | c | 51 | 85 | 8 | 7 | 7 | 8 | 4-6 | 7-8 | 4000 |
| | Chester (Sealand) | 1021.4 | –2 | NW'W | 3 | zo | 55 | 75 | 6 | 5 | – | – | 10 | 10 | 2500 |
| 8 | Manchester | 1021.1 | –2 | N | 3 | c | 52 | 65 | 7 | 8 | 3 | – | 7-8 | 10 | 4000 |
| 10 | Spurn Head | 1020.2 | 0 | N'E | 4 | c | 49 | 85 | 7 | 5 | – | – | 9+ | 9+ | 1500 |
| | Catterick | 1021.2 | +4 | NNE | 4 | c/d | 49 | 75 | 7 | 5 | 7 | – | 7-8 | 10 | 2500 |
| | Tynemouth | 1021.6 | +4 | N | 4 | c | 47 | 85 | 8 | 8 | – | – | 7-8 | 7-8 | 1500 |
| 11 | St. Abbs Head | 1022.2 | 0 | NW | 2 | c | 49 | 75 | 9 | 2 | 7 | – | 2-3 | 9 | 1500 |
| | Leuchars | 1022.5 | +2 | W | 1 | c/r | 51 | 75 | 9 | 5 | – | – | 10 | 10 | 4000 |
| 12 | Renfrew (Abbots I.) | 1022.5 | 0 | NW'W | 2 | c | 55 | 55 | 9 | 9 | – | – | 10 | 10 | 5700 |
| | Eskdalemuir | 1022.0 | 0 | NE'N | 3 | c | 50 | 65 | 9 | 5 | – | – | 10 | 10 | 4000 |
| | Point of Ayre | 1022.6 | +4 | NNE | 2 | c | 51 | 85 | 8 | 2 | 7 | – | Tr | 10 | 2500 |
| 13a | Tiree | 1024.1 | +2 | NW | 2 | bc | 55 | 85 | 7 | 2 | 4 | 8 | 1 | 4-6 | 2500 |
| 13b | Stornoway | 1022.6 | –2 | WNW | 4 | c | 55 | 85 | 8 | 5 | 7 | – | 4-6 | 7-8 | 2500 |
| 15 | Dalwhinnie | 1023.0 | +2 | NW | 1 | c | 50 | 65 | 8 | 5 | – | – | 10 | 10 | 4000 |
| | Aberdeen | 1022.1 | +4 | N | 3 | pr | 51 | 75 | 8 | 8 | – | – | 10 | 10 | 2500 |
| | Wick | 1021.4 | +2 | NW | 4 | c | 51 | 85 | 8 | 8 | 6 | – | 4-6 | 7-8 | 1500 |
| 16 | Lerwick | 1019.9 | –2 | W | 3 | c/d | 46 | 92 | 8 | 8 | 7 | – | 7-8 | 10 | 1500 |
| 17 | Blacksod Point | 1025.6 | 0 | W | 4 | bc | 55 | 75 | 8 | 2 | – | 1 | 2-3 | 4-6 | 2500 |
| 18 | Malin Head | 1024.8 | +2 | NNW | 2 | c | 51 | 85 | 8 | 8 | 4 | 9 | 4-6 | 7-8 | 2500 |
| | Aldergrove | 1023.6 | +2 | N'W | 3 | c | 53 | 65 | 8 | 8 | – | – | 10 | 10 | 2500 |
| 19 | Birr Castle | 1024.6 | –6 | NW | 1 | c | 57 | 65 | 7 | 8 | 7 | – | 7-8 | 9 | 1500 |
| 20 | Valentia Obsy. † | 1025.0 | +2 | N'E | 4 | c | 56 | 55 | 8 | 7 | – | 6 | 2-3 | 7-8 | 4000 |
| | Roches Point | 1024.0 | * | N | 3 | bc | 59 | 65 | 8 | 7 | – | 9 | 4-6 | 4-6 | 2500 |

### OBSERVATIONS at 18h. G.M.T. 23rd April — PAST 24 HOURS

| Stations | Barom. at M.S.L. mb. (15) | Change in 3 hours (16) | Wind Direc. (17) | Wind Force 0–12 (18) | Weather (19) | °F. Temp. (20) | % Humid. (21) | Visibility 0–9 (22) | Cloud Form Low (23) | Cloud Form Med. (24) | Cloud Form High (25) | Cloud Amount Low 0–10 (26) | Cloud Amount Total 0–10 (27) | Height of Base (feet) (28) | State of Ground 0–9 (29) | Sea 0–9 (30) | Weather 7h.–13h. 23rd (37) | Weather 13h.–18h. 23rd (38) | Weather 18h. 23rd to 1h. 24th (39) | Weather 1h.–7h. 24th (40) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| London (Kew) | 1020.0 | +2 | N'W | 3 | zo | 49 | 75 | 6 | 5 | – | – | 9+ | 9+ | 1500 | 0 | * | ocrocz o | czo | cmo | cmocro |
| Croydon | 1019.7 | 0 | N | 3 | zo | 49 | 75 | 6 | 5 | 2 | – | 9 | 10 | 2500 | 0 | * | ccroc | czo | cmoiro | cmoiro |
| S. Farnborough | 1020.2 | +2 | N | 3 | c | 47 | 75 | 7 | 5 | – | – | 10 | 10 | 4000 | 0 | * | cirmozo | czoc | cprobcc | crorro |
| Boscombe Down | 1020.3 | +2 | N'E | 3 | c | 49 | 65 | 6 | 7 | – | – | 10 | 10 | 4000 | 0 | * | ~~[illegible]~~ (red: ciromo) | c | ciro | c |
| Calshot (Sthmtn.) | 1020.3 | –2 | N | 4 | c | 51 | 65 | 7 | 5 | 2 | – | 4-6 | 10 | 2500 | 0 | 1 | cmcmo | cirodoc | c | c |
| Lympne | 1019.7 | +4 | NNE | 2 | c | 45 | 85 | 8 | 5 | 7 | 2 | 4-6 | 9+ | 4000 | 0 | § 1 | cmdodo | coc | crdboc | cbc |
| Manston | 1019.3 | +4 | NE'N | 3 | c | 45 | 85 | 7 | 5 | 7 | 1 | 4-6 | 9+ | 2500 | 1 | * | ~~cdmo~~ (red: cddmo) | cidoc | cbcc | c |
| Shoeburyness | 1019.6 | +4 | E | 2 | pr | 46 | 85 | 8 | 9 | 7 | – | 9 | 10 | 1500 | 0 | * | cmodobc | ~~cc~~ (red: cprc) | cprob | b,c |
| Felixstowe | 1019.4 | +4 | NE'N | 3 | bc | 47 | 75 | 8 | 5 | 5 | 5 | 2-3 | 4-6 | 4000 | 1 | 1 | dodociro | cirobc | bcbwbc | bwxCbc |
| Gorleston | 1019.6 | +2 | NW | 4 | bc | 47 | 75 | 7 | 2 | – | – | 4-6 | 4-6 | 4000 | 1 | 2 | cpro | cbcq | bc | bcc |
| Mildenhall | 1019.9 | +6 | NNE | 3 | c | 48 | 75 | 8 | 5 | 3 | – | 9 | 10 | 4000 | 0 | * | crorociro | cproc | c | cdodoc |
| Cranwell | 1020.3 | +2 | N'E | 4 | c | 49 | 75 | 8 | 4 | 7 | – | 9 | 10 | 2500 | 0 | * | ccmoc | c | cmo | cmocpro |
| Birmingham | 1020.7 | +4 | NNE | 3 | o | 49 | 75 | 5 | 5 | – | – | 10 | 10 | 1500 | 0 | * | oc | c | c | c |
| Upper Heyford | 1020.3 | +2 | NNE | 2 | c | 49 | 75 | 7 | 8 | 2 | – | 7-8 | 10 | 2500 | 0 | * | cdc | c | ciroc | c |
| Ross-on-Wye | 1021.0 | +6 | NW'W | 1 | zo | 49 | 75 | 6 | 5 | – | – | 10 | 10 | 2500 | 0 | * | poidoroc | coc | cmooido | omocmo |
| Bristol | 1021.1 | +6 | N | 1 | zo | 49 | 85 | 5 | 5 | – | – | 10 | 10 | 2500 | 1 | * | cmoiro | cmo | cmoiro | cmoiro |
| Portland Bill | 1019.8 | –4 | N | 2 | o | 50 | 85 | 7 | 5 | – | – | 10 | 10 | 1500 | 1 | 2 | ido | idoc | c | c |
| Plymouth | 1021.0 | +2 | SSE | 1 | rr | 47 | 92 | 5 | 6 | 2 | – | 9+ | 10 | 800 | 1 | 1 | czoyroro | rororrmo | rrmororo | iromocmo |
| The Lizard | 1021.1 | 0 | N'W | 4 | c | 51 | 75 | 8 | 8 | 6 | – | 9 | 9+ | 1500 | 0 | 2 | c | c | co | ocmo |
| Scilly (St. Mary's) | 1022.5 | –2 | NNE | 5 | c | 50 | 85 | 7 | 4 | – | 2 | 2-3 | 9+ | 2500 | 0 | 2 | c | c | cbc | c |
| Guernsey | 1020.5 | 0 | NNW | 1 | o | 49 | 85 | 6 | 5 | – | – | 10 | 10 | 2500 | 0 | 2 | bcco | o | oo | c |
| Pembroke | 1021.9 | –2 | N | 4 | c | 50 | 85 | 8 | 7 | 7 | – | 4-6 | 7-8 | 2500 | 0 | 1 | c | cbcc | c | c |
| Holyhead | 1022.4 | +2 | N | 3 | c | 49 | 85 | 8 | 5 | – | – | 10 | 10 | 4000 | 0 | 2 | c⊕ | c | c | c |
| Chester (Sealand) | 1022.3 | +6 | – | 0 | c/r | 49 | 85 | 9 | 5 | 2 | – | 7-8 | 10 | 2500 | 1 | * | cdodmzo | czoprodoro | cmo | cromo |
| Manchester | 1021.6 | +6 | NE | 3 | pr | 50 | 75 | 5 | 8 | 3 | – | 7-8 | 10 | 1500 | 1 | * | cmoc | croro | cprozoc | c |
| Spurn Head | 1020.8 | 0 | N'E | 4 | c | 46 | 85 | 7 | 5 | 3 | – | 2-3 | 9+ | 1500 | 0 | 2 | doc | c | cpro | rorc |
| Catterick | 1022.0 | –2 | N'E | 2 | c | 48 | 75 | 7 | 5 | – | – | 9+ | 9+ | 2500 | 0 | * | proidoc | idoproc | c | c |
| Tynemouth | 1022.1 | 0 | NNW | 3 | c | 46 | 85 | 8 | 8 | – | – | 9+ | 9+ | 1500 | 0 | 1 | ~~oc~~ (red: ohir,c) | c | c | c |
| St. Abbs Head | 1023.0 | +2 | NNE | 1 | iro | 45 | 92 | 7 | 3 | 2 | – | 7-8 | 10 | 1500 | 1 | 2 | c | iroc | c | c |
| Leuchars | 1022.8 | +2 | S | 1 | roro | 48 | 92 | 8 | 8 | 2 | – | 7-8 | 9+ | 4000 | 1 | * | cciroc | cprororo | croc | c |
| Renfrew (Abbots I.) | 1022.6 | +2 | NW'W | 2 | c | 54 | 65 | 9 | 5 | – | – | 10 | 10 | 5700 | 0 | * | cvy | cyc | c | cbc |
| Eskdalemuir | 1022.2 | +2 | NE'N | 2 | c | 50 | 65 | 9 | 5 | – | – | 10 | 10 | 4000 | 0 | * | cy | cy | ciro | c |
| Point of Ayre | 1022.6 | 0 | N'W | 2 | c | 50 | 85 | 8 | 4 | 7 | – | Tr | 10 | 2500 | 0 | 2 | c | c | c | cbc |
| Tiree | 1024.1 | +2 | W'N | 2 | bc | 51 | 85 | 7 | – | 4 | 8 | 0 | 2-3 | – | 0 | 1 | cbc | bc | bcb | bW |
| Stornoway | 1022.7 | +4 | W | 4 | c | 52 | 65 | 7 | 5 | 7 | 4 | 4-6 | 9+ | 2500 | 1 | 2 | bcc | c | c,b | bc |
| Dalwhinnie | 1022.7 | +2 | W | 1 | c | 48 | 65 | 8 | 5 | – | – | 10 | 10 | 4000 | 0 | * | ciro | c | * | c |
| Aberdeen | 1022.5 | +6 | ESE | 1 | c | 49 | 75 | 7 | 5 | – | – | 10 | 10 | 4000 | 0 | 1 | cpro | c | c | c |
| Wick | 1021.8 | +4 | NW | 3 | bc | 51 | 75 | 8 | 8 | 6 | – | 2-3 | 4-6 | 2500 | 1 | 1 | cproc | cbc | bc | bc |
| Lerwick | 1020.3 | +4 | W | 3 | c | 49 | 85 | 8 | 5 | 7 | – | 7-8 | 10 | 1500 | 1 | * | cid | c | c | c |
| Blacksod Point | 1025.8 | +2 | W | 3 | bc | 54 | 75 | 8 | 2 | – | – | 2-3 | 2-3 | 2500 | 0 | 2 | bc | bc | bc | bc |
| Malin Head | 1024.9 | 0 | NW | 2 | c | 51 | 85 | 7 | 3 | 8 | 8 | 2-3 | 7-8 | 2500 | 0 | 1 | bcc | cbc⊕ | bcbc | bc |
| Aldergrove | 1023.9 | +2 | N'E | 3 | c | 53 | 55 | 7 | 5 | 4 | – | 7-8 | 7-8 | 5700 | 0 | * | cmoc | ccy | cybmo | bmoFeFe |
| Birr Castle | 1024.3 | 0 | NW | 1 | c | 54 | 56 | 8 | 5 | 1 | – | 9 | 10 | 1500 | 0 | * | offc | cy | cb | b |
| Valentia Obsy. † | 1025.3 | +4 | NNW | 4 | bc | 55 | 65 | 8 | 1 | – | 6 | Tr | 4-6 | 4000 | 0 | 1 | bccy | cybc | bcbw | bw |
| Roches Point | 1025.3 | * | NNW | 3 | bc | 56 | 65 | 9 | 8 | 3 | – | 4-6 | 4-6 | 2500 | 0 | 1 | bc | cbc | bcc | cbc |

## EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

### COLUMNS 5, 19, 37, 38, 39, 40.—BEAUFORT NOTATION AND SYMBOLS FOR WEATHER.

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog ,, less than 220 yds.
fs, low fog over sea (coast station).
fg, low fog over land (inland station).
m, mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jf, fog at a distance, but not at station.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/so, slight storm of drifting snow (generally low).
k/S, heavy storm of drifting snow (generally low).
so/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze: the turbid atmosphere of dry weather.
h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus R, heavy rain. ro, slight rain. rr, continuous rain.
<, less than (for cloud height).
⊕, Solar halo. ⦶ lunar halo. gale.

With present weather is combined, whenever possible, the general character of the weather.

A "solidus" divides actual existing weather from preceding conditions thus:—bc/r, fair weather after rain; —, has decreased; +, has increased.

### COLUMNS 9, 23.—FORM OF LOW CLOUD.

0 No low clouds.
1 Fair weather Cu.
2 Large Cu without anvil.
3 Cb.
4 Sc formed by the spreading out of Cu.
5 Layer of St or Sc.
6 Ragged low clouds of bad weather (or fractonimbus).
7 Fair weather Cu. and Sc.
8 Large-Cu (or Cb) and Sc.
9 Large-Cu (or Cb) and ragged low clouds of bad weather.

### COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4–6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries. "tr" signifies a small amount of cloud (trace) covering less than 1/20 of the sky. "9+" signifies an overcast sky with a few small openings.

### COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

0 No medium clouds.
1 Typical As (thin).
2 Typical As (thick) (sun or moon invisible), or Nimbostratus (Ns).
3 Single layer of Ac or high Sc.
4 Ac in isolated patches. Individually decreasing (often lenticular).
5 Ac in bands (increasing).
6 Ac formed from the spreading out of Cu.
7 Ac associated with As or As with parts resembling Ac.
8 Ac Castellatus (or Ac in ragged fragments).
9 Ac in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

### COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

0 No cirriform cloud.
1 Fine Ci not increasing: sparse.
2 Fine Ci not increasing: abundant but not a continuous layer.
3 Anvil Ci (usually dense).
4 Fine Ci increasing: usually in tufts.
5 Ci or Cs increasing: still below 45° altitude: often in polar bands.
6 Ci or Cs increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Cs covering whole sky.
8 Cs not increasing and not covering whole sky.
9 Cc predominating, and a little cirrus.
(Cc may occur with any of the types 1 to 8).

Cloud form abbreviations:— Cirrus,–Ci: Cirrocumulus,–Cc: Cirrostratus,–Cs: Altocumulus,–Ac: Altostratus,–As; Stratocumulus,–Sc: Stratus,–St: Nimbostratus,–Ns: Cumulus,–Cu: Cumulonimbus,–Cb.

### COLUMN 29.—STATE OF GROUND.

0 .. Ground dry.
1 .. ,, wet.
2 .. ,, flooded.
3 .. ,, frozen hard and dry.
4 .. ,, partly covered with snow or hail.
5 .. ,, covered with ice or glazed frost.
6 .. Ground covered with thawing snow.
7 .. ,, covered with snow, less than 6 ins., deep but ground not frozen.
8 .. ,, covered with snow, less than 6 ins., but ground frozen.
9 .. ,, covered with snow greater than 6 ins. deep.

*Note.—The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

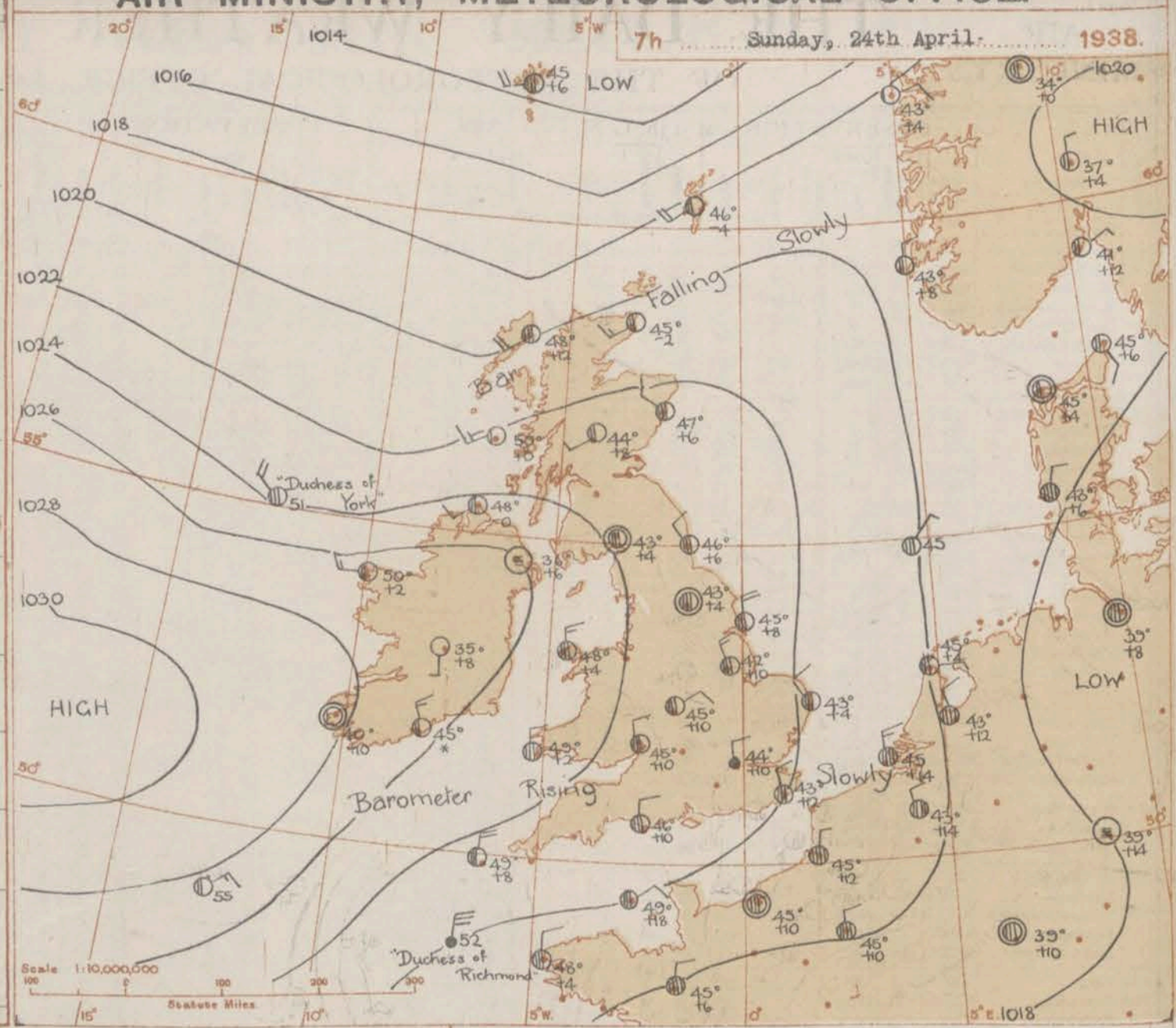
§ Sea disturbance reported from Dungeness.

## REPORTS from HEALTH RESORTS for 23rd April 1938.

| Districts. | Stations. | Weather. Forenoon. | Weather. Afternoon. | Temperature (°F.) Min. 9h. 23rd to 9h. 24th | Temperature (°F.) Max. 9h.—17h. 23rd | Rainfall (mm.) Night. 17h. 22nd to 9h. 23rd | Rainfall (mm.) Day. 9h.—17h. 23rd | Sunshine (Hrs.) Sunrise to 17h. 23rd | Sunshine (Hrs.) Sunrise to Sunset. 22nd |
|---|---|---|---|---|---|---|---|---|---|
| 1 | Tunbridge W. | cp | cd | 34 | 49 | 0.3 | 1 | 0.0 | 0.3 |
| | Bournemouth | c | c | 37 | 54 | — | — | 0.0 | 3.5 |
| | Ventnor ... | cz | cz | 39 | 52 | — | — | 0.0 | 5.2 |
| | Southsea ... | cd.c | cc | 41 | 53 | Trace | Trace | 0.0 | 2.8 |
| | Bognor Regis | cc.c | c | 39 | 51 | Trace | Trace | 0.0 | 1.7 |
| | Littlehampton | c | c | 38 | 51 | Trace | — | 0.0 | 1.8 |
| | Worthing ... | c | c | 40 | 51 | Trace | — | 0.0 | 0.6 |
| | Brighton ... | ccpc | cbcc | 40 | 53 | Trace | Trace | 0.1 | 0.4 |
| | Eastbourne† ... | lc.c | clc.c | 42 | 51 | Trace | Trace | 0.0 | 0.7 |
| | Hastings† ... | cd.pc | cp.c | 40 | 51 | Trace | 0.3 | 0.0 | 0.8 |
| | Folkestone ... | cm.rc | c | 41 | 50 | 1 | 0.5 | 0.0 | 2.8 |
| | Dover ... | drc | ccac | 42 | 49 | 3 | Trace | 0.0 | 2.0 |
| | Deal ... ... | rndd | c | 41 | 49 | 1 | 0.5 | 0.0 | 1.9 |
| | Ramsgate ... | cc | c | 45 | 51 | 1 | Trace | 0.1 | 2.8 |
| | Margate ... | cd. | c | 44 | 47 | 0.3 | Trace | 0.0 | 2.1 |
| 2 | Southend ... | clr | ccc | 41 | 50 | Trace | 1 | 0.2 | 0.8 |
| | Clacton-on-Sea | cc | cpc | 40 | 50 | Trace | Trace | 0.0 | 1.0 |
| | Doverecourt ... | dcc | bcc | 42 | 50 | Trace | — | 0.3 | 0.6 |
| | Lowestoft ... | clr | cbc | 41 | 50 | 1 | 0.1 | 1.1 | 2.7 |
| | Skegness ... | cp.c | cp.c | 43 | 49 | 0.3 | Trace | 0.0 | 4.7 |
| | Mablethorpe... | cpc | cpc | 45 | 50 | Trace | Trace | 0.1 | 6.2 |
| | Cleethorpes ... | cr | cbc | 44 | 45 | Trace | 0.3 | 0.1 | 4.8 |
| 3 | Leamington S. | ccc | c | 37 | 54 | — | — | 0.3 | 1.3 |
| 4 | Cheltenham† | cc | cz | 37 | 53 | Trace | — | 0.0 | 2.1 |
| 5 | Bath ... ... | cr. | c | 37 | 54 | Trace | Trace | 0.0 | 3.6 |
| | Weymouth ... | c | c | 38 | 53 | 1 | — | 0.0 | 5.0 |
| | Jersey ... | cbc | c | 45 | 58 | — | — | 3.3 | 5.9 |
| | Torquay ... | czc | cid.p | 41 | 54 | 0.1 | 0.3 | 0.6 | 6.2 |
| | Falmouth | c | cr.c | 48 | 59 | — | Trace | 0.6 | 3.9 |
| | Penzance ... | cbcb | c | 48 | 56 | — | — | 2.6 | 10.6 |
| | St. Ives ... | c | c | 39 | 54 | — | — | 2.1 | 12.7 |
| | Bude... ... | c | c | 44 | 53 | — | — | 0.2 | 5.5 |
| | Ilfracombe ... | cbc | cor | 44 | 55 | — | 1 | 0.0 | 1.1 |
| 6 | Aberystwyth | cbco | cr.p | 45 | 51 | — | Trace | 0.0 | 1.8 |
| 7 | Llandudno ... | c | c | 48 | 52 | Trace | — | 0.0 | 0.2 |
| | Colwyn Bay... | c | c | 48 | 51 | — | — | 0.0 | 0.0 |
| | Rhyl ... ... | c | c | 48 | 54 | 0.2 | — | 0.4 | 0.1 |
| 8 | Wallasey ... | c | c | 47 | 54 | 0.3 | — | 0.1 | 0.5 |
| | Southport ... | co | bco | 45 | 57 | 0.1 | — | 0.1 | 1.2 |
| | Blackpool ... | cm. | cm. | 44 | 55 | Trace | — | 0.1 | 1.0 |
| | Morecambe ... | cbcc | cbcc | 46 | 54 | — | — | 0.2 | 0.7 |
| 9 | Ilkley... ... | c | c | 48 | 51 | — | — | 0.0 | 0.0 |
| | Harrogate ... | c | cbc | 45 | 51 | — | — | 0.3 | 0.4 |
| 10 | Berwick-on-T. | c | co.c | 44 | 51 | 0.2 | Trace | 3.0 | 0.0 |
| 11 | Dunbar ... | bc. | cm. | 44 | 52 | Trace | Trace | 0.5 | 0.0 |
| 12 | Troon... ... | cccc | ccc | 45 | 54 | — | — | 0.1 | 0.2 |
| | Douglas ... | bc | c | 46 | 54 | Trace | — | 2.4 | 1.5 |

† Max. Temp. for period 21h. yesterday to 17h. to-day: Min. Temp. 21h.–9h.

# AIR MINISTRY, METEOROLOGICAL OFFICE.




BAROMETER. Isobars are drawn for intervals of two millibars.
WIND, WEATHER SYMBOLS. For explanation see opposite page.
SEA DISTURBANCE. Rough. High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

| Districts. | FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 24th April, 1938 |
|---|---|
| 1 S.E. England<br>2 E. England ...<br>3 E. Midlands ... | Light north to northwest winds; cloudy with light local rain or showers early, then becoming fair; local morning mist or fog; temperature rather low to average. |
| 4 W. Midlands ...<br>5 S.W. England<br>6 South Wales ...<br>7 North Wales ... | Light northerly winds; mainly fair, local morning mist or fog inland; average day temperature, local ground frost inland at night. |
| 8 N.W. England<br>9 N. Midlands ...<br>10 N.E. England<br>11 S.E. Scotland<br>12 S.W. Scotland & Isle of Man. | Light northerly winds, backing to west or southwest and freshening; cloudy, becoming dull with local rain; average temperature. |
| 13 A. W. Scotld. B.N.W.Scotland.<br>14 Mid Scotland<br>15 N. E. Scotland<br>16 Orkney and Shetland | Moderate southwest winds, veering to west or northwest; cloudy with rain locally at first, then becoming fair; average temperature. |
| 17 N. W. Ireland<br>18 N. E. Ireland | Light to moderate westerly winds; cloudy, occasional slight rain locally; average temperature. |
| 19 S. E. Ireland<br>20 S. W. Ireland | As 4 - 7. |

### GENERAL INFERENCE

An anticyclone remains centred off Western Ireland, while a trough of low pressure off West Scotland is moving eastsoutheast. Weather will continue mainly fair in Central and Southern Ireland, Wales and Central England and will improve later, after a period of rain in Scotland and North Ireland. Elsewhere weather will be cloudy with local rain. Temperature will be average or rather low.

### FURTHER OUTLOOK.

Rather unsettled in North Ireland and Northern England; mainly fair elsewhere.

Forecasts issued at 1100 G.M.T.

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S.,
Director.

H.M. Stationery Office Press, Kingsway W.C.2

# AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

AIR MINISTRY.

# THE DAILY WEATHER REPORT

## OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Sunday, 24th April, 1938.
No. 27912.

### OBSERVATIONS at 1 hr. G.M.T. 24th April

| District | Stations | Height above M.S.L. in feet | Barom. at M.S.L. mb. (1) | Change in 3 hours (2) | Wind Direc. (3) | Wind Force 0–12 (4) | Weather (5) | Temp. °F. (6) | % Humid. (7) | Visibility 0–9 (8) | Cloud Form Low (9) | Cloud Form Med. (10) | Cloud Form High (11) | Cloud Amount Low 0–10 (12) | Cloud Amount Total 0–10 (13) | Height of Base (feet) (14) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | London (Kew) | 18 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Croydon ... | 217 | 1021·5 | +10 | ENE | 1 | c | 43 | 92 | 4 | 5 | - | - | 9 | 9 | 4000 |
| | S. Farnborough | 226 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Boscombe Down | 417 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Calshot (Sthmtn.) | 8 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Lympne ... | 346 | 1021·0 | +2 | N'E | 2 | 0 | 39 | 92 | 8 | 5 | - | - | 10 | 10 | 2500 |
| | Manston ... | 142 | 1020·9 | +4 | NNE | 2 | c | 43 | 75 | 7 | 5 | - | - | 9 | 9+ | 2500 |
| 2 | Shoeburyness... | 11 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Felixstowe ... | 15 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Gorleston ... | 5 | 1021·3 | +6 | WNW | 1 | bc | 43 | 75 | 7 | 5 | - | - | 4-6 | 4-6 | 2500 |
| | Mildenhall ... | 19 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Cranwell ... | 240 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 3 | Birmingham ... | 535 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Upper Heyford | 408 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 4 | Ross-on-Wye | 223 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 5 | Bristol ... | 209 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Portland Bill ... | 32 | 1021·2 | +6 | NNE | 2 | c | 47 | 85 | 7 | 4 | - | - | 10 | 10 | 2500 |
| | Plymouth ... | 82 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | The Lizard ... | 240 | 1021·5 | 0 | N'E | 3 | 0 | 48 | 92 | 7 | 5 | - | - | 10 | 10 | 1500 |
| | Scilly (St. Mary's) | 163 | 1022·4 | -2 | NNE | 5 | c | 48 | 85 | 8 | 5 | - | - | 10 | 10 | 2500 |
| | Guernsey .. | 175 | 1021·0 | +4 | NNE | 2 | c | 48 | 85 | 6 | 8 | - | - | 9 | 9 | 2500 |
| 6 | Pembroke ... | 142 | 1023·3 | 0 | N | 3 | c | 48 | 75 | 8 | 5 | 2 | - | 4-6 | 9+ | 2500 |
| 7 | Holyhead ... | 26 | 1023·6 | +2 | N | 3 | c | 48 | 92 | 7 | 5 | - | - | 10 | 10 | 4000 |
| | Chester (Sealand) | 16 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 8 | Manchester ... | 70 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 10 | Spurn Head ... | 29 | 1022·1 | +2 | N'E | 3 | id. | 44 | 85 | 8 | 5 | - | - | 10 | 10 | 1500 |
| | Catterick ... | 175 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Tynemouth ... | 108 | 1022·8 | 0 | NNW | 2 | c | 45 | 85 | 6 | 5 | - | - | 9+ | 9+ | 1500 |
| 11 | St. Abb's Head .. | 280 | 1024·1 | 0 | WNW | 1 | c | 47 | 75 | 8 | 4 | 2 | - | 4-6 | 10 | 2500 |
| | Leuchars ... | 36 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 12 | Renfrew (Abbots I.) | 19 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Eskdalemuir ... | 794 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Point of Ayre... | 30 | 1023·9 | +2 | N | 1 | c | 48 | 92 | 8 | 5 | 7 | - | 4-6 | 10 | 2500 |
| 13A | Tiree ... | 22 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 13B | Stornoway ... | 80 | 1022·4 | -2 | SSW | 3 | b | 45 | 85 | 8 | 5 | - | - | 1 | 1 | 2500 |
| 15 | Dalwhinnie ... | 1176 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Aberdeen ... | 79 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Wick ... | 81 | 1022·1 | -2 | W | 3 | bc | 40 | 92 | 7 | 8 | 6 | - | 2-3 | 2-3 | 1500 |
| 16 | Lerwick ... | 156 | 1020·5 | 0 | W | 3 | c | 47 | 92 | 7 | 5 | 2 | - | 7-8 | 10 | 800 |
| 17 | Blacksod Point | 18 | 1026·5 | 0 | - | 0 | bc | 44 | 92 | 8 | 4 | - | - | 4-6 | 4-6 | 2500 |
| 18 | Malin Head ... | 84 | 1025·1 | +4 | SSW | 1 | bc | 44 | 92 | 6 | 8 | 4 | - | 2-3 | 4-6 | 2500 |
| | Aldergrove ... | 268 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 19 | Birr Castle ... | 173 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 20 | Valentia Obsy. † | 30 | 1026·9 | 0 | N | 3 | b | 48 | 97 | 7 | - | - | - | 0 | 0 | - |
| | Roches Point | 22 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |

### OBSERVATIONS at 7 hr. G.M.T. 24th April

| Stations | Barom. at M.S.L. mb. (15) | Change in 3 hours (16) | Wind Direc. (17) | Wind Force 0–12 (18) | Weather (19) | Temp. °F. (20) | % Humid. (21) | Visibility 0–9 (22) | Cloud Form Low (23) | Cloud Form Med. (24) | Cloud Form High (25) | Cloud Amount Low 0–10 (26) | Cloud Amount Total 0–10 (27) | Height of Base (feet) (28) | State of Ground 0–9 (29) | Sea 0–9 (30) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| London (Kew) | 1023·0 | +12 | N'W | 2 | ⊓ | 43 | 92 | 5 | 6 | 2 | - | 10 | 10 | 1500 | 1 | * |
| Croydon ... | 1022·5 | +10 | N | 2 | ⊓ | 44 | 85 | 6 | 8 | 3 | - | 7-8 | 9+ | 2500 | 0 | * |
| S. Farnborough | 1022·8 | +16 | NNE | 2 | c/r | 43 | 92 | 6 | 6 | 2 | - | 9 | 10 | 800 | 1 | * |
| Boscombe Down | 1023·3 | +10 | NNE | 2 | c | 43 | 85 | 7 | 5 | 2 | - | 9+ | 10 | 4000 | 0 | * |
| Calshot (Sthmtn.) | 1022·8 | +16 | N'E | 2 | c | 46 | 85 | 7 | 8 | 3 | 8 | 7-8 | 9 | 2500 | 0 | 1 |
| Lympne ... | 1022·0 | +12 | N'W | 3 | c | 43 | 75 | 7 | 5 | 7 | - | 7-8 | 9+ | 4000 | 0 | §1 |
| Manston ... | 1022·0 | +14 | N | 3 | c | 44 | 85 | 7 | 5 | - | - | 9+ | 9+ | 4000 | 0 | * |
| Shoeburyness.... | 1022·4 | +10 | NNW | 2 | c | 43 | 92 | 8 | 5 | 7 | - | 1 | 9+ | 4000 | 0 | * |
| Felixstowe ... | 1022·1 | +10 | NW'N | 2 | c | 43 | 85 | 8 | 5 | 3 | 6 | 4-6 | 7-8 | 5700 | 1 | 1 |
| Gorleston ... | 1021·6 | +4 | NW'N | 2 | c | 43 | 75 | 6 | 5 | - | - | 10 | 10 | 2500 | 0 | 2 |
| Mildenhall ... | 1022·2 | +10 | NNW | 2 | c/d | 43 | 97 | 7 | 5 | 3 | - | 7-8 | 9+ | 2500 | 1 | * |
| Cranwell ... | 1023·2 | +10 | NNW | 3 | c | 42 | 97 | 7 | 5 | 3 | 4 | 1 | 7-8 | 2500 | 1 | * |
| Birmingham ... | 1023·2 | +10 | NE | 2 | c | 45 | 85 | 6 | 5 | 7 | - | 2-3 | 9+ | 2500 | 0 | * |
| Upper Heyford | 1023·2 | +12 | N'W | 2 | c | 43 | 92 | 7 | 5 | 1 | - | 9+ | 10 | 1500 | 0 | * |
| Ross-on-Wye | 1023·6 | +10 | N | 2 | $Z_0$ | 45 | 85 | 6 | - | 3 | - | 0 | 9 | - | 0 | * |
| Bristol ... | 1023·8 | +10 | N | 2 | $Z_0$ | 44 | 92 | 6 | 5 | - | - | 10 | 10 | 2500 | 1 | * |
| Portland Bill ... | 1022·4 | +10 | NNE | 2 | c | 46 | 92 | 7 | 4 | - | - | 10 | 10 | 2500 | 1 | 2 |
| Plymouth ... | 1022·9 | +10 | NNE | 1 | $Z_0$ | 48 | 85 | 6 | 5 | 7 | - | 7-8 | 9+ | 1500 | 1 | 0 |
| The Lizard ... | 1023·2 | +10 | N'E | 2 | c | 47 | 92 | 7 | 5 | 1 | - | 9 | 10 | 1500 | 0 | 2 |
| Scilly (St. Mary's) | 1023·3 | +8 | NNE | 4 | c | 49 | 92 | 6 | 8 | 2 | - | 4-6 | 10 | 2500 | 0 | 2 |
| Guernsey .. | 1022·0 | +18 | NE | 2 | c | 49 | 85 | 7 | 8 | - | - | 7-8 | 7-8 | 2500 | 0 | 1 |
| Pembroke ... | 1024·4 | +2 | N | 2 | c | 49 | 92 | 7 | 5 | 2 | - | 7-8 | 9+ | 2500 | 0 | 1 |
| Holyhead ... | 1024·6 | +4 | N | 3 | c | 48 | 85 | 7 | 5 | - | - | 9+ | 9+ | 4000 | 0 | 2 |
| Chester (Sealand) | 1024·5 | +8 | - | 0 | $Z_0$ | 45 | 92 | 6 | 5 | - | - | 10 | 10 | 4000 | 0 | * |
| Manchester ... | 1023·8 | +6 | W | 1 | c | 45 | 85 | 7 | 5 | - | - | 10 | 10 | 4000 | 0 | * |
| Spurn Head ... | 1022·9 | +8 | N | 4 | c | 45 | 85 | 7 | 5 | 7 | - | 4-6 | 9+ | 1500 | 1 | 2 |
| Catterick ... | 1023·7 | +4 | - | 0 | c | 43 | 92 | 7 | 5 | 7 | - | 7-8 | 10 | 4000 | 0 | * |
| Tynemouth ... | 1023·6 | +6 | NW | 2 | c | 46 | 85 | 6 | 8 | - | - | 9+ | 9+ | 1500 | 0 | 1 |
| St. Abb's Head .. | 1023·3 | +4 | NW | 1 | c | 47 | 85 | 7 | 3 | 2 | - | 4-6 | 10 | 2500 | 0 | 1 |
| Leuchars ... | 1023·2 | +8 | SW | 2 | c | 48 | 85 | 8 | 5 | - | - | 9+ | 9+ | 4000 | 1 | * |
| Renfrew (Abbots I.) | 1023·8 | +6 | W | 2 | bc | 46 | 85 | 8 | 5 | - | - | 2-3 | 2-3 | 4000 | 0 | * |
| Eskdalemuir ... | 1023·7 | +4 | - | 0 | c | 43 | 92 | 7 | 5 | - | - | 9+ | 9+ | 4000 | 0 | * |
| Point of Ayre... | 1024·7 | +6 | N'W | 4 | bc | 47 | 85 | 8 | 2 | - | 5 | Tr | 2-3 | 2500 | 0 | 2 |
| Tiree ... | 1023·4 | 0 | WSW | 3 | b | 50 | 85 | 7 | 1 | - | - | Tr | Tr | 4000 | 0 | 2 |
| Stornoway ... | 1020·9 | -12 | SW | 4 | c | 48 | 55 | 7 | 5 | 7 | - | 4-6 | 7-8 | 2500 | 0 | 2 |
| Dalwhinnie ... | * | +8 | SW | 1 | bc | 44 | 75 | 8 | 4 | 6 | - | 2-3 | 4-6 | 4000 | 0 | * |
| Aberdeen ... | 1022·7 | +6 | WNW | 2 | c | 47 | 75 | 8 | 5 | - | - | 9+ | 9+ | 4000 | 0 | 1 |
| Wick ... | 1021·3 | -2 | SW | 3 | bc | 45 | 85 | 7 | 5 | - | 1 | 2-3 | 2-3 | 1500 | 1 | 1 |
| Lerwick ... | 1019·1 | -4 | SW | 4 | bc | 46 | 92 | 7 | 8 | 7 | - | 4-6 | 4-6 | 1500 | 0 | * |
| Blacksod Point | 1026·3 | +2 | W | 3 | bc | 50 | 97 | 7 | 2 | - | - | 2-3 | 2-3 | 2500 | 0 | 2 |
| Malin Head ... | 1024·9 | 0 | SW | 2 | bc | 48 | 92 | 7 | 2 | - | - | 2-3 | 2-3 | 2500 | 0 | 1 |
| Aldergrove ... | 1026·1 | +6 | - | 0 | f- | 37 | 97 | 2 | - | - | - | 0 | 0 | - | 0 | * |
| Birr Castle ... | 1026·9 | +8 | S | 1 | b | 35 | 97 | 7 | - | - | - | 0 | 0 | - | 0 | * |
| Valentia Obsy. † | 1028·3 | +10 | - | 0 | b | 40 | 92 | 8 | 1 | - | - | Tr | Tr | 4000 | 0 | 0 |
| Roches Point | 1026·9 | * | N'W | 3 | bc | 45 | 75 | 8 | 1 | - | 5 | 1 | 2-3 | 4000 | 0 | 1 |

### PAST 24 HOURS.

| Stations | Temperature Max. Day 7h–18h °F. (31) | Temperature Min. Night 18h–7h °F (32) | Min. on Grass °F. (33) | Rainfall Day 7h–18h mm. (34) | Rainfall Night 18h–7h mm. (35) | Sunshine 23rd Hrs. (36) |
|---|---|---|---|---|---|---|
| London (Kew) | 51 | 42 | 39 | Tr | 0·3 | 0·0 |
| Croydon ... | 51 | 42 | 39 | Tr | Tr | 0·0 |
| S. Farnborough | 49 | 41 | 37 | 0·1 | 0·1 | 0·0 |
| Boscombe Down | 51 | 42 | 41 | Tr | Tr | 0·0 |
| Calshot (Sthmtn.) | 52 | 44 | 43 | Tr | - | 0·0 |
| Lympne ... | 45 | 37 | 31 | 1 | Tr | 0·1 |
| Manston ... | 47 | 40 | 37 | 0·6 | - | 0·0 |
| Shoeburyness.... | 51 | 37 | 28 | 0·3 | Tr | 0·1 |
| Felixstowe ... | 50 | 36 | 29 | 0·1 | - | 0·3 |
| Gorleston ... | 49 | 40 | 39 | Tr | - | 1·0 |
| Mildenhall ... | 51 | 41 | 40 | 1 | 0·1 | 0·3 |
| Cranwell ... | 51 | 41 | 37 | - | 0·3 | 0·0 |
| Birmingham ... | 52 | 43 | 42 | - | - | 0·0 |
| Upper Heyford | 50 | 42 | 40 | Tr | 0·1 | * |
| Ross-on-Wye | 53 | 43 | 39 | 0·1 | Tr | 0·2 |
| Bristol ... | 54 | 43 | 40 | 0·3 | 0·4 | 0·0 |
| Portland Bill ... | 52 | 42 | * | Tr | - | * |
| Plymouth ... | 57 | 47 | 43 | 5 | 1 | 0·5 |
| The Lizard ... | 58 | 46 | * | - | - | 1·7 |
| Scilly (St. Mary's) | 54 | 48 | * | - | - | 1·0 |
| Guernsey .. | 53 | 46 | 43 | - | - | 3·9 |
| Pembroke ... | 55 | 45 | * | - | - | 2·6 |
| Holyhead ... | 52 | 47 | 46 | - | - | 4·8 |
| Chester (Sealand) | 53 | 45 | 43 | 1 | Tr | 0·2 |
| Manchester ... | 54 | 42 | 38 | 0·1 | Tr | 0·0 |
| Spurn Head ... | 49 | 43 | * | Tr | 0·2 | 0·1 |
| Catterick ... | 51 | 38 | 32 | Tr | - | 0·2 |
| Tynemouth ... | 48 | 45 | 40 | 0·3 | - | 0·0 |
| St. Abb's Head .. | 50 | 44 | * | 0·1 | Tr | * |
| Leuchars ... | 55 | 46 | 42 | 0·6 | 0·1 | 0·7 |
| Renfrew (Abbots I.) | 55 | 38 | 32 | - | - | 0·1 |
| Eskdalemuir ... | 52 | 40 | 39 | - | Tr | 0·1 |
| Point of Ayre... | 53 | 46 | * | - | - | 0·3 |
| Tiree ... | 53 | 41 | 38 | - | - | 9·2 |
| Stornoway ... | 57 | 43 | * | - | - | 9·4 |
| Dalwhinnie ... | 50 | 37 | 21 | Tr | - | 0·5 |
| Aberdeen ... | 53 | 44 | 42 | Tr | - | 0·0 |
| Wick ... | 53 | 38 | * | 0·4 | - | * |
| Lerwick ... | 51 | 45 | * | Tr | - | 0·0 |
| Blacksod Point | 55 | 42 | * | - | - | * |
| Malin Head ... | 52 | 42 | * | - | - | 9·5 |
| Aldergrove ... | 55 | 31 | 27 | - | - | 1·8 |
| Birr Castle ... | 58 | 33 | * | - | - | 2·7 |
| Valentia Obsy. † | 59 | 38 | 31 | - | Tr | 12·6 |
| Roches Point | 60 | 44 | * | - | - | * |

### LONDON OBSERVATIONS

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations except for rainfall which is 9h—18h.

| | Height above M.S.L. in feet | Weather Morning (24 hrs. ended 9h.) | Weather Afternoon (24 hrs. ended 9h.) | Weather Night (24 hrs. ended 9h.) | Temperature Day Max. °F. | Temperature Night Min. °F. | Temperature Min. on Grass °F. | Rainfall Day mm. | Rainfall Night mm. | Sunshine to Sunset hrs. (Yesterday) | Humidity 15h. G.M.T % (Yesterday) | Humidity 9h. G.M.T % (To-day) | Visibility 9h. (To-day) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kew... | 18 | or.rcZ₀ | cZ₀ | cm₀crr | 51 | 42 | 39 | Tr | 0·3 | 0·0 | * | * | 6 |
| Croydon ... | 217 | cr₀f₀c | cZ₀ | cm₀ir₀ | 51 | 42 | 39 | Tr | Tr | 0·0 | * | * | 6 |
| Greenwich (Royal Observatory)... | 149 | cr₀ | cr₀ | cr₀ | 52 | 42 | 34 | Tr | Tr | 0·0 | 65 | 69 | 5 |
| City (Bunhill Row) ... | — | | * | * | * | * | * | * | * | 0·0 | * | * | * |
| Westminster (St. James' Park) ... | 27 | * | * | * | 53 | 44 | 40 | - | - | 0·0 | 75 | 76 | * |
| Regents Pk. (Botanic Gardens)‡... | 168 | * | * | * | 52 | 42 | 39 | - | Tr | 0·0 | 73 | 77 | * |
| Camden Square ... | 110 | c | cpc | * | 51 | 43 | 39 | Tr | Tr | * | * | 77 | * |
| Kensington ... | 80 | c | c | * | 51 | 44 | 39 | Tr | Tr | 0·0 | At 18h. 70 | 78 | * |
| Hampstead Observatory ... | 450 | cd | bc | cr | 49 | 40 | 35 | Tr | 0·2 | 0·0 | * | 91 | * |

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. 24th

| South Kensington | Max. | Time. | Min. | Time. |
|---|---|---|---|---|
| | 0·3 | 18-21h 23rd | <0·3 | 2-3h 24th |

| Kew Observatory | Max. | Time. | Min. | Time. |
|---|---|---|---|---|
| | 0·1 | 19-22h 23rd | <0·1 | Past of period |

### FOREIGN OBSERVATIONS.

| Stations | 18h. G.M.T. 23rd April Barom. mb. | Wind Direc. | Wind Force | Weather | Temp. °F. | 7h. G.M.T. 24th April Barom. mb. | Wind Direc. | Wind Force | Weather | Temp. °F. | Past 24 Hours Max. Day °F. | Min. Night °F. | Rainfall Day mm. | Rainfall Night mm. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Paris ... | 1018·1 | WNW | 2 | c | 46 | 1020·1 | N | 2 | $Z_0$ | 45 | 52 | 43 | Tr. | 0·6 |
| Brussels ... | 1017·1 | N | 4 | c | 48 | 1020·7 | NNW | 2 | 0 | 43 | 52 | 39 | 0·1 | - |
| Berlin ... | 1013·1 | NNW | 5 | bc | 46 | 1014·8 | NNW | 3 | c | 43 | * | 39 | 0·4 | 0·1 |
| Zurich ... | 1016·4 | WNW | 2 | c | 46 | 1018·0 | W | 1 | bc | 34 | * | * | - | - |
| Rome ... | 1018·1 | WNW | 2 | b | 52 | 1018·9 | ENE | 1 | d | 45 | * | * | - | 2 |

### EXPLANATION OF FIGURES, LETTERS, etc.

**COLUMNS 2, 16.**
The barometric tendency is expressed in tenths of a millibar.

**COLUMNS 4, 18.**
The Beaufort Scale of Wind is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers is the speed at about 30 feet above the ground.

| Beaufort No | Statute m/h. | Beaufort No. | Statute m/h. | Beaufort No. | Statute m/h. |
|---|---|---|---|---|---|
| 0 | <1 | 4 | 13–18 | 9 | 47–54 |
| 1 | 1–3 | 5 | 19–24 | 10 | 55–63 |
| 2 | 4–7 | 6 | 25–31 | 11 | 64–75 |
| 3 | 8–12 | 7 | 32–38 | 12 | > 75 |
| | | 8 | 39–46 | | |

**COLUMNS 34, 35.**
Tr. = rain has fallen, but amount less than 0·1 mm.

**COLUMNS 8, 22 — Code for surface visibility.**

| | Objects not visible at |
|---|---|
| 0 Dense fog | 55 yards. |
| 1 Thick fog | 220 ,, |
| 2 Fog | 550 ,, |
| 3 Moderate fog | 1,100 ,, |
| 4 Mist or haze | 1½ miles. |
| 5 Poor visibility | 2½ ,, |
| 6 Moderate ,, | 6½ ,, |
| 7 Good ,, | 12½ ,, |
| 8 Very good ,, | 31 ,, |
| 9 Excellent ,, | beyond 31m. |

**COLUMN 30.—Code for State of Sea.**

| | |
|---|---|
| 0 Calm. | 5 Very rough. |
| 1 Smooth. | 6 High. |
| 2 Slight. | 7 Very high. |
| 3 Moderate. | 8 Precipitous. |
| 4 Rough. | 9 Confused. |

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METEOROLOGICAL OFFICE, AIR MINISTRY, ADASTRAL HOUSE, KINGSWAY, LONDON, W.C.2.

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S., Director.

† Hr. observations are from Valentia W/T Station. ‡ Maximum and Minimum Temperatures are for the 24 hours ending 8 h. § See disturbance reported from Dungeness.

Page 1.

AIR MINISTRY.

# THE DAILY WEATHER REPORT

## OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Monday, 25th April, 1938.
No. 27913.

OBSERVATIONS at 13h. G.M.T. 24th April — OBSERVATIONS at 18h. G.M.T. 24th April — PAST 24 HOURS.

| District | Stations (For heights see p. 4.) | Barom. at M.S.L. mb. (1) | Change in 3 hours (2) | Wind Direc. (3) | Wind Force 0–12 (4) | Weather (5) | °F. Temp. (6) | % Humid. (7) | Visibility 0–9 (8) | Cloud Form Low (9) | Cloud Form Med. (10) | Cloud Form High (11) | Cloud Amount Low 0–10 (12) | Cloud Amount Total 0–10 (13) | Height of Base (feet) (14) | Barom. at M.S.L. mb. (15) | Change in 3 hours (16) | Wind Direc. (17) | Wind Force 0–12 (18) | Weather (19) | °F. Temp. (20) | % Humid. (21) | Visibility 0–9 (22) | Cloud Form Low (23) | Cloud Form Med. (24) | Cloud Form High (25) | Cloud Amount Low 0–10 (26) | Cloud Amount Total 0–10 (27) | Height of Base (feet) (28) | State of Ground 0–9 (29) | Sea 0–9 (30) | Weather 7h.–13h. 24th (37) | Weather 13h.–18h. 24th (38) | Weather 18h. 24th to 1h. 25th (39) | Weather 1h.–7h. 25th (40) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | London (Kew) | 1023.4 | +4 | N'E | 2 | zo | 48 | 75 | 6 | 5 | - | - | 10 | 10 | 1500 | 1022.9 | -2 | N | 2 | zo | 51 | 55 | 5 | 5 | - | - | 9+ | 9+ | 2500 | 1 | * | crcmo | czoy | cz | cz |
| | Croydon | 1023.2 | +2 | N | 2 | zo | 48 | 75 | 5 | 5 | 7 | - | 7-8 | 10 | 2500 | 1022.6 | -6 | NNE | 2 | zo | 51 | 65 | 5 | 5 | 4 | - | 9 | 9+ | 4000 | 0 | * | roczz | czo | czo | cm |
| | S. Farnborough | 1023.6 | +4 | N | 3 | c | 47 | 75 | 7 | 5 | - | - | 10 | 10 | 2500 | 1023.0 | 0 | N | 2 | c | 51 | 65 | 7 | 5 | - | - | 9+ | 9+ | 4000 | 0 | * | crodoc | cidobcyc | ccmo | cmc |
| | Boscombe Down | 1023.7 | -2 | NEN | 3 | c | 49 | 65 | 7 | 5 | 2 | - | 9 | 9+ | 2500 | 1023.6 | +6 | N | 3 | c | 51 | 55 | 7 | 5 | 2 | - | 9+ | 10 | 4000 | 0 | * | c | cy | c | cbc |
| | Calshot (Sthmtn.) | 1023.4 | 0 | N | 3 | c | 52 | 55 | 7 | 8 | 3 | - | 7-8 | 9+ | 4000 | 1023.2 | -2 | NNW | 1 | c | 52 | 65 | 7 | 5 | 3 | - | 7-8 | 9+ | 2500 | 0 | § 1 | c | c | c | cm c |
| | Lympne | 1022.8 | 0 | N | 3 | c | 49 | 65 | 8 | 5 | - | 1 | 9+ | 9+ | 4000 | 1022.8 | +2 | N | 3 | c | 48 | 65 | 8 | 5 | - | 1 | 9+ | 9+ | 4000 | 0 | 1 | cbccy | c | cbcb | bcpr |
| | Manston | 1022.4 | -2 | N | 3 | c | 49 | 65 | 8 | 7 | 7 | - | 9 | 9+ | 2500 | 1022.3 | +2 | N'W | 1 | c | 47 | 75 | 7 | 5 | - | - | 9+ | 9+ | 4000 | 0 | ° | cbcyc | c | cbcmxb | bbcwmc |
| 2 | Shoeburyness | 1022.3 | -2 | NW | 2 | c | 52 | 55 | 8 | 8 | - | - | 9+ | 9+ | 2500 | 1022.4 | +2 | NNE | 1 | c | 49 | 75 | 8 | 5 | - | - | 9+ | 9+ | 4000 | 0 | * | ccy | cyc | c | circ |
| | Felixstowe | 1022.0 | -2 | NW | 2 | c | 50 | 55 | 8 | 5 | - | - | 10 | 10 | 2500 | 1022.0 | 0 | N'E | 2 | c | 50 | 65 | 8 | 5 | 3 | - | 7-8 | 9 | 2500 | 0 | 1 | occy | cyc | c,b | rcirm |
| | Gorleston | 1021.5 | 0 | NW | 5 | c | 47 | 75 | 7 | 8 | - | -9 | 9+ | 9+ | 2500 | 1021.9 | +4 | NNW | 4 | bc | 49 | 75 | 7 | 2 | 3 | - | 4-6 | 4-6 | 2500 | 0 | 2 | oircq | cbcq | bcc | bczfz |
| | Mildenhall | 1022.5 | -2 | NW | 3 | c | 51 | 65 | 8 | 8 | - | 2 | 7-8 | -8 | 4000 | 1022.4 | +2 | N | 3 | c | 51 | 65 | 8 | 5 | 3 | - | 7-8 | 9 | 5700 | 0 | * | vcidoprc | cy | c | cwmidc |
| | Cranwell | 1023.3 | -4 | N'E | 3 | c | 51 | 65 | 7 | 5 | - | - | 4-6 | 10 | 2500 | 1022.9 | -10 | NE'E | 1 | c | 52 | 75 | 7 | 5 | - | - | 9+ | 9+ | 5700 | 1 | * | cido | cido | cmo | cmobc |
| 3 | Birmingham | 1023.2 | -2 | NNE | 3 | c | 52 | 55 | 7 | 5 | 7 | - | 4-6 | 10 | 2500 | 1022.7 | -2 | NNW | 2 | o | 51 | 65 | 6 | 5 | - | - | 10 | 10 | 1500 | 0 | * | c | c | c | c |
| | Upper Heyford | 1023.7 | -6 | ENE | 2 | c | 51 | 65 | 8 | 5 | 2 | - | 7-8 | 9+ | 2500 | 1023.6 | +2 | - | 0 | c | 50 | 65 | 7 | 5 | 2 | - | 9 | 10 | 2500 | 0 | * | c | c | cbcc | cmocdo |
| 4 | Ross-on-Wye | 1023.4 | -4 | ENE | 3 | c | 54 | 55 | 6 | 5 | - | - | 10 | 10 | 2500 | 1023.7 | 0 | N | 2 | o | 52 | 65 | 8 | 5 | - | - | 10 | 10 | 2500 | 0 | * | bcc | cyc | ccbtc | bcc |
| 5 | Bristol | 1023.8 | -6 | NE | 2 | c | 52 | 65 | 7 | 8 | 7 | - | 7-8 | 9 | 2500 | 1023.8 | 0 | NE | 1 | zo | 53 | 65 | 6 | 5 | - | - | 9+ | 9+ | 4000 | 1 | * | cbcc | cmoy | cmo | cmowbc |
| | Portland Bill | 1023.2 | +2 | NE | 2 | c | 50 | 65 | 8 | 4 | - | - | 10 | 10 | 2500 | 1023.4 | +2 | SE | 2 | c | 49 | 85 | 7 | 4 | - | - | 10 | 10 | 2500 | 1 | 2 | c | c | c | c |
| | Plymouth | 1023.6 | -2 | NE | 3 | c | 54 | 55 | 8 | 8 | 3 | - | 9 | 9+ | 4000 | 1024.1 | +2 | S | 2 | zo | 50 | 85 | 6 | 5 | 3 | - | 9 | 9+ | 4000 | 1 | 1 | cmocy | cyccmo | cmcbc | bcbc |
| | The Lizard | 1024.3 | +6 | E | 3 | c | 51 | 85 | 7 | 8 | 6 | - | 7-8 | 9+ | 1500 | 1024.7 | +2 | N'E | 3 | c | 51 | 75 | 8 | 5 | 6 | * | 7-8 | 9 | 1500 | 0 | 2 | cbcc | c | cbcbw | bbcc |
| | Scilly (St. Mary's) | 1025.1 | +6 | NNE | 4 | c | 54 | 65 | 7 | 5 | 3 | - | 2-3 | 9+ | 2500 | 1025.6 | +4 | NNE | 4 | c | 51 | 85 | 7 | 5 | 3 | 3 | 4-6 | 9 | 2500 | 0 | 2 | cbcc | c | bwbcc | cbcwc |
| | Guernsey | 1023.1 | +4 | NEE | 2 | c | 49 | 75 | 8 | 8 | - | - | 10 | 10 | 2500 | 1023.7 | +2 | N | 1 | bc | 48 | 75 | 7 | 1 | 3 | - | 1 | 4-6 | 2500 | 0 | 1 | c | cb | bccw | ocbc |
| 6 | Pembroke | 1025.4 | -6 | N | 4 | c | 55 | 65 | 7 | 5 | 2 | - | 7-8 | 9+ | 2500 | 1024.9 | 0 | NW | 2 | bc | 53 | 65 | 8 | 1 | 1 | - | 1 | 2-3 | 2500 | 0 | 0 | c | cbc | c | bcc |
| 7 | Holyhead | 1025.4 | +2 | NWN | 3 | b | 52 | 75 | 8 | 2 | - | 2 | Tr | 1 | 2500 | 1024.5 | -6 | WNW | 2 | bc | 53 | 55 | 8 | - | 3 | - | 0 | 2-3 | - | 0 | 1 | c,b | by | circb | bc |
| | Chester (Sealand) | 1024.8 | -2 | NWW | 4 | c | 53 | 75 | 7 | 5 | - | - | 9+ | 9+ | 4000 | 1024.3 | 0 | WNW | 3 | b | 53 | 65 | 8 | - | - | - | 0 | 0 | - | 0 | * | cmoc | cbcb | b | cbcc |
| 8 | Manchester | 1024.0 | -4 | SW | 1 | zo | 54 | 65 | 6 | 7 | 3 | - | 7-8 | 9+ | 5700 | 1023.2 | -2 | NW'W | 4 | bc | 54 | 55 | 8 | 5 | 3 | - | 1 | 7-8 | 5700 | 0 | * | czo | czobcy | bcc | c,bczo |
| 10 | Spurn Head | 1023.0 | +2 | N'E | 3 | c | 51 | 75 | 7 | 4 | 7 | - | 4-6 | 9+ | 2500 | 1023.0 | 0 | NNE | 2 | c | 49 | 85 | 7 | 5 | - | - | 10 | 10 | 2500 | 0 | 2 | c | c | co | occq |
| | Catterick | 1023.1 | -6 | NNW | 1 | c | 55 | 55 | 7 | 5 | 3 | - | 7-8 | 10 | 2500 | 1022.1 | -2 | SSE | 1 | c | 54 | 55 | 7 | 5 | - | - | 9+ | 9+ | 2500 | 0 | * | czoc | cy | cyc | ciropro |
| | Tynemouth | 1023.2 | -4 | NE | 2 | c | 52 | 65 | 6 | 8 | - | - | 9+ | 9+ | 1500 | 1021.7 | -4 | SE | 2 | c | 48 | 75 | 6 | 5 | - | - | 7-8 | 7-8 | 1500 | 0 | 1 | cmo | c | coiro | cirobc |
| 11 | St. Abbs Head | 1022.6 | 0 | NNW | 2 | c | 53 | 65 | 7 | 3 | 2 | - | 4-6 | 7-8 | 2500 | 1020.7 | -10 | WNW | 2 | bc | 55 | 55 | 8 | 7 | 6 | 2 | 4-6 | 4-6 | 4000 | 0 | 1 | c | bcy | cRRoc | bc |
| | Leuchars | 1022.1 | -10 | WNW | 3 | bc | 58 | 45 | 9 | 8 | - | - | 4-6 | 4-6 | 5700 | 1020.8 | -2 | WNW | 5 | c/pr | 56 | 65 | 9 | 8 | - | - | 7-8 | 7-8 | 4000 | 0 | * | cbcy | bcycpr | cqc | cbcxc |
| 12 | Renfrew (Abbots I.) | 1023.0 | -6 | W'N | 2 | c | 55 | 55 | 8 | 8 | - | - | 4-8 | 4-8 | 4000 | 1022.4 | -2 | WNW | 5 | bc | 51 | 65 | 9 | 8 | 6 | - | 2-3 | 2-3 | 4000 | | * | bbccy | eyitobc | bcbw | bwc |
| | Eskdalemuir | 1022.7 | -2 | NWW | 3 | c | 54 | 45 | 8 | 5 | - | - | 7-8 | 7-8 | 4000 | 1022.2 | -2 | WNW | 4 | c | 51 | 65 | 8 | 5 | - | - | 9+ | 9+ | 4000 | 0 | * | cbccy | cyc | cbcb | bbcc |
| | Point of Ayre | 1021.7 | 0 | NWN | 3 | bc | 56 | 75 | 8 | 1 | 3 | - | Tr | 2-3 | 2500 | 1024.4 | -2 | NW'N | 5 | c | 49 | 92 | 8 | 8 | 6 | - | 7-8 | 9+ | 800 | 0 | 3 | bc | bcc | c | c |
| 13A | Tiree | 1024.1 | +10 | NNW | 3 | c | 50 | 85 | 7 | 5 | 7 | - | 4-6 | 9+ | 1500 | 1024.7 | +2 | NW | 3 | c | 48 | 75 | 8 | 8 | 3 | - | 1 | 9 | 1500 | 0 | 3 | bocir | cbcc | cb | bcc |
| 13B | Stornoway | 1021.8 | -2 | WNW | 5 | c | 52 | 65 | 8 | 8 | 7 | - | 4-6 | 7-8 | 2500 | 1022.5 | +4 | WNW | 5 | c/pr | 48 | 65 | 8 | 8 | 7 | - | 7-8 | 9 | 2500 | 1 | 3 | crr | cpr | cprbc | bcc |
| 15 | Dalwhinnie | 1021.9 | -8 | SW | 4 | c | 54 | 55 | 8 | 5 | 6 | - | 4-6 | 9+ | 4000 | 1022.9 | +4 | W | 2 | c | 45 | 85 | 7 | 5 | 2 | - | 7-8 | 9+ | 2500 | 1 | * | c | cir | * | cir |
| | Aberdeen | 1021.2 | -8 | S | 4 | bc | 56 | 55 | 7 | 7 | - | - | 4-6 | 4-6 | 4000 | 1021.3 | +12 | NNW | 3 | c/pr | 47 | 85 | 8 | 8 | - | - | 9 | 9 | 2500 | 0 | 1 | cbcy | bccpr | cbcb | bwbcc |
| | Wick | 1021.0 | +4 | NW | 5 | roco | 46 | 92 | 7 | 5 | 2 | - | 9 | 10 | 1500 | 1020.9 | +6 | NW | 5 | c | 47 | 65 | 8 | 8 | 6 | - | 7-8 | 9 | 1500 | 1 | 2 | bcc6 | crorc | cprc | cprc |
| 16 | Lerwick | 1018.5 | -2 | WNW | 4 | pro | 46 | 85 | 7 | 8 | 2 | - | 7-8 | 10 | 800 | 1018.5 | +2 | W | 3 | pro | 44 | 85 | 8 | 8 | 7 | - | 7-8 | 9 | 1500 | 1 | | cp6 | cproir | bcpr | bcprc |
| 17 | Blacksod Point | 1027.8 | +14 | NW | 4 | c | 52 | 75 | 8 | 5 | - | - | 7-8 | 7-8 | 2500 | 1029.8 | +10 | NW | 4 | bc | 51 | 75 | 8 | 2 | - | - | 4-6 | 4-6 | 2500 | 0 | 3 | ro | bc | bc | bc |
| 18 | Malin Head | 1026.2 | +4 | NNW | 4 | c/pr | 49 | 85 | 7 | 8 | 9 | - | 4-6 | 9 | 1500 | 1026.3 | +6 | N | 3 | c | 49 | 75 | 8 | 8 | 7 | - | 4-6 | 7-8 | 4000 | 0 | 2 | bcc | bcc | cbcc | bcc |
| | Aldergrove | 1025.0 | -6 | W | 2 | c | 57 | 65 | 8 | 8 | - | - | 9+ | 9+ | 2500 | 1025.7 | +6 | N'W | 4 | c | 50 | 65 | 8 | 5 | - | - | 7-8 | 7-8 | 4000 | 0 | * | bfeboc | crocbc | bcc | c |
| 19 | Birr Castle | 1026.5 | -4 | NW | 2 | c | 55 | 65 | 8 | 8 | 7 | - | 7-8 | 9+ | 1500 | 1026.6 | +2 | NW | 2 | c | 53 | 75 | 8 | 8 | 7 | - | 7-8 | 9+ | 1500 | 0 | * | bbcc | c | cb | bbcc |
| 20 | Valentia Obsy. † | 1028.7 | 0 | NWW | 3 | bc | 56 | 75 | 8 | 2 | - | - | 4-6 | 4-6 | 1500 | 1028.9 | +6 | NNW | 5 | c/pr | 51 | 85 | 7 | 5 | - | - | 9+ | 9+ | 1500 | 0 | 1 | bwbc | bcproc | cbc | bcc |
| | Roches Point | 1026.8 | * | N | 3 | bc | 57 | 75 | 8 | 7 | - | 1 | 4-6 | 4-6 | 2500 | 1026.2 | * | N | 3 | bc | 56 | 65 | 8 | 8 | 3 | - | 4-6 | 4-6 | 2500 | 0 | 1 | bc | bc | bc | bcc ⊕ |

## EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

### COLUMNS 5, 19, 37, 38, 39, 40—BEAUFORT NOTATION AND SYMBOLS FOR WEATHER.

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog „ less than 220 yds.
fs, low fog over sea (coast station).
fg, low fog over land (inland station).
m. mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jf, fog at a distance, but not at station.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/s₀, slight storm of drifting snow (generally low).
k/S, heavy storm of drifting snow (generally low).
s₀/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze: the turbid atmosphere of dry weather.
h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus R, heavy rain. r₀, slight rain. rr, continuous rain.
<, less than (for cloud height).
⊕, Solar halo. Ⓤ lunar halo. ↗ gale.
With present weather is combined, whenever possible the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions thus:—bc/r, fair weather after rain; —, has decreased; +, has increased.

### COLUMNS 9, 23.—FORM OF LOW CLOUD.

0 No low clouds.
1 Fair weather Cu.
2 Large Cu without anvil.
3 Cb.
4 Sc formed by the spreading out of Cu.
5 Layer of St or Sc.
6 Ragged low clouds of bad weather (or fractonimbus).
7 Fair weather Cu. and Sc.
8 Large-Cu (or Cb) and Sc.
9 Large-Cu (or Cb) and ragged low clouds of bad weather.

### COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4-6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries. "tr" signifies a small amount of cloud (trace) covering less than 1/20 of the sky. "9+" signifies an overcast sky with a few small openings.

### COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

0 No medium clouds.
1 Typical As (thin).
2 Typical As (thick) (sun or moon invisible), or Nimbostratus (Ns).
3 Single layer of Ac or high Sc.
4 Ac in isolated patches. Individually decreasing (often lenticular).
5 Ac in bands (increasing).
6 Ac formed from the spreading out of Cu.
7 Ac associated with As or As with parts resembling Ac.
8 Ac Castellatus (or Ac in ragged fragments).
9 Ac in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

### COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

0 No cirriform cloud.
1 Fine Ci not increasing: sparse.
2 Fine Ci not increasing: abundant but not a continuous layer.
3 Anvil Ci (usually dense).
4 Fine Ci increasing: usually in tufts.
5 Ci or Cs increasing: still below 45° altitude: often in polar bands.
6 Ci or Cs increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Cs covering whole sky.
8 Cs not increasing and not covering whole sky.
9 Cc predominating, and a little cirrus.
(Cc may occur with any of the types 1 to 8).

Cloud form abbreviations:—
Cirrus,-Ci: Cirrocumulus,-Cc: Cirrostratus,-Cs: Altocumulus,-Ac: Altostratus,-As
Stratocumulus,-Sc: Stratus,-St: Nimbostratus,-Ns: Cumulus,-Cu: Cumulonimbus,-Cb

### COLUMN 29.—STATE OF GROUND.

0 .. Ground dry.
1 .. „ wet.
2 .. „ flooded.
3 .. „ frozen hard and dry.
4 .. „ partly covered with snow or hail.
5 .. „ covered with ice or glazed frost.
6 .. Ground covered with thawing snow.
7 .. „ covered with snow, less than 6 ins., deep but ground not frozen.
8 .. „ covered with snow, less than 6 ins., but ground frozen.
9 .. „ covered with snow greater than 6 ins. deep.

NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

† Sea disturbance reported from Dungeness.

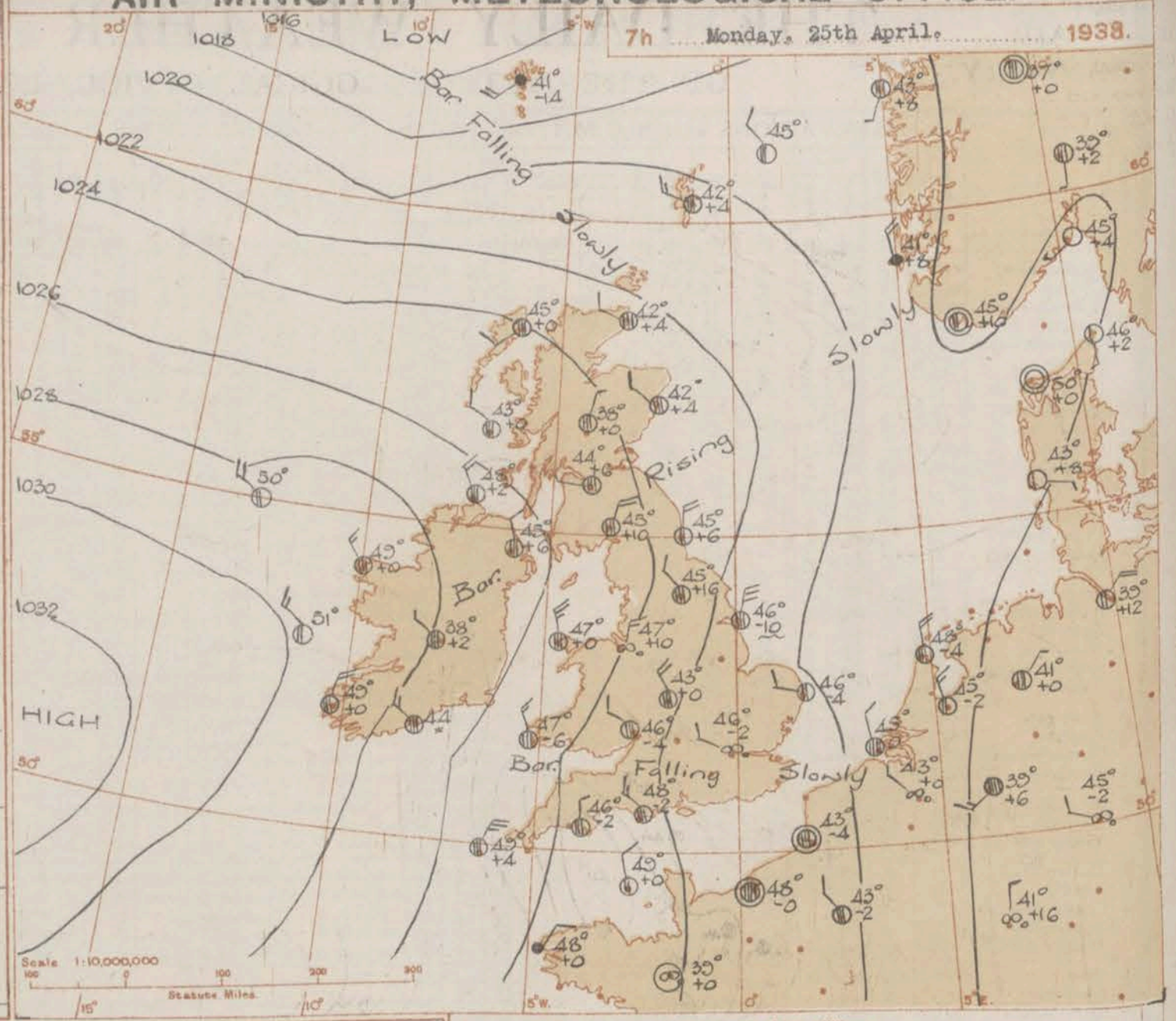
## REPORTS from HEALTH RESORTS for 24th April 1938.

| Districts. | Stations. | Weather. Forenoon. | Weather. Afternoon. | Temperature (°F) Min. 9h. 23rd to 9h. 24th | Temperature (°F) Max. 9h.—17h. 24th | Rainfall (mm.) Night. 17h. 23rd to 9h. 24th | Rainfall (mm.) Day. 9h.—17h. 24th | Sunshine (Hrs.) Sunrise to 17h. 24th | Sunshine (Hrs.) Sunrise to Sunset. 23rd |
|---|---|---|---|---|---|---|---|---|---|
| 1 | Tunbridge W. | coc | coc | 34 | 50 | - | - | 1·0 | 0·0 |
| | Bournemouth | c | cbc | 44 | 54 | - | - | 1·6 | 0·0 |
| | Ventnor ... | oco | cbcz | 43 | 53 | - | - | 1·4 | 0·0 |
| | Southsea ... | c | cb | 44 | 52 | - | - | 1·0 | 0·0 |
| | Bognor Regis | cbc | bccbc | 43 | 52 | - | - | 1·1 | 0·0 |
| | Littlehampton | c | bc | 42 | 53 | - | - | 1·2 | 0·0 |
| | Worthing ... | c | cbc | 40 | 52 | Trace | - | 0·7 | 0·0 |
| | Brighton ... | cbc | cbcb | 39 | 53 | - | - | 1·3 | 0·1 |
| | Eastbourne† ... | co | oc | 40 | 54 | 0·2 | - | 1·9 | 0·0 |
| | Hastings† ... | bcco | cbc | 38 | 53 | Trace | - | 1·8 | 0·0 |
| | Folkestone ... | bcc | c | 40 | 51 | - | - | 2·6 | 0·0 |
| | Dover ... | yc | cbcoy | 41 | 52 | - | - | 1·8 | 0·0 |
| | Deal ... ... | bbc | co | 40 | 52 | - | - | 1·5 | 0·2 |
| | Ramsgate ... | c | bcc | 43 | 51 | - | - | 3·0 | 0·1 |
| | Margate ... | cbc | bcc | 44 | 51 | - | - | 3·5 | 0·1 |
| 2 | Southend ... | oc | co | 39 | 53 | - | - | 1·0 | 0·2 |
| | Clacton-on-Sea | bcc | c | 39 | 51 | - | - | 0·4 | 0·0 |
| | Dovercourt ... | bcc | bccv | 39 | 51 | - | - | 0·5 | 0·3 |
| | Lowestoft ... | c | cbcb | 38 | 50 | - | - | 2·2 | 2·2 |
| | Skegness ... | c | c | 42 | 51 | 0·5 | - | 0·1 | 0·0 |
| | Mablethorpe... | bcc | bcc | 43 | 52 | 0·3 | - | 0·2 | 0·1 |
| | Cleethorpes ... | bcc | cbc | 42 | 53 | 0·5 | - | 0·5 | 0·1 |
| 3 | Leamington S. | co | o | 43 | 54 | - | - | 1·8 | 0·3 |
| 4 | Cheltenham† | ocbcc | coz | 43 | 54 | 0·5 | - | 1·7 | 0·0 |
| 5 | Bath ... ... | cbc | bcc | 45 | 55 | 0·3 | - | 1·4 | 0·0 |
| | Weymouth ... | c | cb | 45 | 55 | 0·1 | - | 1·1 | 0·0 |
| | Jersey ... | bc | bcc | 46 | 54 | - | - | 3·5 | 3·3 |
| | Torquay ... | oc | cbcc | 45 | 54 | 2 | - | 2·9 | 0·6 |
| | Falmouth | b | c | 47 | 56 | 1 | - | 2·8 | 0·6 |
| | Penzance ... | bcc | cbcc | 49 | 58 | Trace | - | 3·9 | 2·9 |
| | St. Ives ... | c | o | 41 | 56 | - | - | 1·5 | 3·5 |
| | Bude... ... | cbc | bcc | 47 | 53 | - | - | 1·9 | 0·2 |
| | Ilfracombe ... | oc | cbcc | 47 | 54 | 0·2 | - | 2·8 | 0·0 |
| 6 | Aberystwyth | co | ocbc | 46 | 52 | - | - | 2·0 | 0·0 |
| 7 | Llandudno ... | cbc | b | 47 | 54 | - | - | 6·3 | 0·0 |
| | Colwyn Bay... | bcbc | bcb | 46 | 55 | - | - | 5·5 | 0·0 |
| | Rhyl ... ... | c | cbcb | 45 | 55 | 0·1 | - | 5·4 | 0·4 |
| 8 | Wallasey ... | c | bcb | 46 | 56 | Trace | - | 4·4 | 0·1 |
| | Southport ... | obc | b | 45 | 58 | - | - | 5·0 | 0·1 |
| | Blackpool ... | cm,oc | bcb | 43 | 55 | Trace | - | 5·4 | 0·1 |
| | Morecambe ... | cbbc | cbbc | 45 | 57 | Trace | - | 3·5 | 0·2 |
| 9 | Ilkley... ... | o | o | 37 | 57 | - | - | 0·0 | 0·0 |
| | Harrogate ... | c | c | 47 | 54 | - | - | 0·0 | 0·4 |
| 10 | Berwick-on-T. | oc | bc | 44 | 53 | 0·3 | - | 2·6 | 3·0 |
| 11 | Dunbar ... | cm | cm | 45 | 61 | 0·3 | - | 5·4 | 0·5 |
| 12 | Troon... ... | bcb | cbc | 43 | 54 | - | - | 6·0 | 0·1 |
| | Douglas ... | b | bc | 43 | 57 | - | - | 11·1 | 2·4 |

† Max. Temp. for period 21h. yesterday to 17h. to-day. Min. Temp. 21h.-9h.

## AIR MINISTRY, METEOROLOGICAL OFFICE.

7h. Monday, 25th April, 1938.




* Barometer. Isobars are drawn for intervals of two millibars.
Wind, Weather Symbols. For explanation see opposite page.
Sea Disturbance. Rough. High.
Barometric Change from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

| Districts. | Forecasts for the 24 hours commencing 12 noon, G.M.T. 25th April, 1938. |
|---|---|
| 1 S.E. England<br>2 E. England ...<br>3 E. Midlands ...<br>4 W. Midlands ... | Wind northwest; moderate; cloudy, slight occasional rain or drizzle; average temperature. |
| 5 S.W. England<br>6 South Wales ... | Wind northwest; moderate; fair; average temperature. |
| 7 North Wales ...<br>8 N.W. England<br>9 N. Midlands ...<br>10 N.E. England<br>11 S.E. Scotland<br>12 S.W. Scotland & Isle of Man.<br>13 A. W. Scotd. B.N.W.Scotland.<br>14 Mid Scotland<br>15 N. E. Scotland<br>16 Orkney and Shetland<br>17 N. W. Ireland<br>18 N. E. Ireland | As 1 - 4. |
| 19 S. E. Ireland<br>20 S. W. Ireland | As 5 - 6. |

### GENERAL INFERENCE

An anticyclone off the west of Ireland will maintain northerly winds with occasional light rain locally. Temperature will be about the average for the time of year.

### FURTHER OUTLOOK.

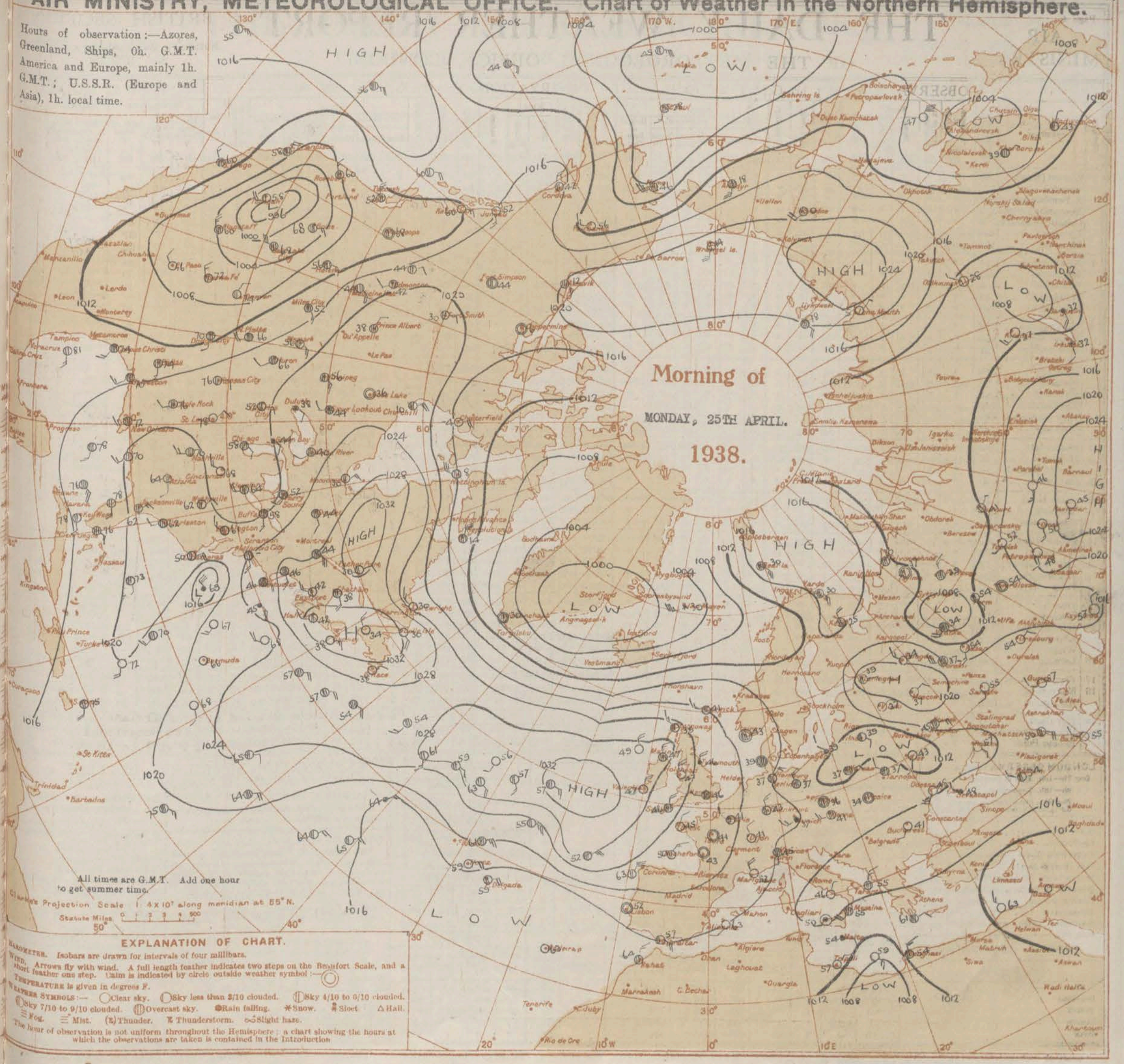
Mainly fair; average temperature.

Forecasts issued at 1000 G.M.T.

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S., Director.

H.M. Stationery Office Press, Kingsway W.C.2

# AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.



AIR MINISTRY.

# THE DAILY WEATHER REPORT

## OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Monday, 25th April, 1938.
No. 27913.

### OBSERVATIONS at 1 hr. G.M.T. 25th April

| District | Stations | Height above M.S.L. in feet | Barom. at M.S.L. mb. (1) | Change in 3 hours (2) | Wind Direc. (3) | Wind Force 0–12 (4) | Weather (5) | Temp. °F. (6) | Humid. % (7) | Visibility 0–9 (8) | Cloud Form Low (9) | Cloud Form Med. (10) | Cloud Form High (11) | Cloud Amount Low 0–10 (12) | Cloud Amount Total 0–10 (13) | Height of Base (feet) (14) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | London (Kew) | 18 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Croydon ... | 217 | 1022·9 | -6 | W | 1 | $z_o$ | 46 | 85 | 6 | 5 | - | - | 10 | 10 | 5700 |
| | S. Farnborough | 226 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Boscombe Down | 417 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Calshot (Sthmtn.) | 8 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Lympne ... | 346 | 1022·8 | -6 | N | 1 | bc | 40 | 85 | 8 | 5 | - | - | 2-3 | 2-3 | 2500 |
| | Manston ... | 142 | 1022·4 | -4 | - | 0 | b | 37 | 97 | 6 | - | - | - | 0 | 0 | : |
| 2 | Shoeburyness... | 11 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Felixstowe ... | 15 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Gorleston ... | 5 | 1021·6 | -6 | W'S | 2 | c | 41 | 85 | 6 | 5 | - | - | 9+ | 9+ | 2500 |
| | Mildenhall ... | 19 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Cranwell ... | 240 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 3 | Birmingham ... | 535 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Upper Heyford | 408 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 4 | Ross-on-Wye | 223 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 5 | Bristol ... | 209 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Portland Bill ... | 32 | 1023·4 | -8 | WNW | 2 | c | 49 | 85 | 7 | 4 | - | - | 10 | 10 | 2500 |
| | Plymouth ... | 82 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | The Lizard ... | 240 | 1023·6 | 0 | N'W | 4 | b | 44 | 92 | 8 | - | - | - | 0 | 0 | .- |
| | Scilly (St. Mary's) | 163 | 1026·1 | -2 | N | 3 | c | 48 | 97 | 8 | 5 | - | - | 7-8 | 7-8 | 2500 |
| | Guernsey .. | 175 | 1024·0 | 0 | WNW | 1 | 0 | 46 | 85 | 6 | 5 | - | - | 10 | 10 | 2500 |
| 6 | Pembroke ... | 142 | 1025·6 | +2 | NW'N | * | c | 49 | 85 | 8 | 5 | - | - | 7-8 | 7-8 | 2500 |
| 7 | Holyhead ... | 26 | 1025·6 | 0 | NNW | 4 | b | 47 | 75 | 8 | 5 | - | - | 1 | 1 | 4000 |
| | Chester(Sealand) | 16 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 8 | Manchester ... | 70 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 10 | Spurn Head ... | 29 | 1020·9 | -10 | SW'W | 2 | 0 | 47 | 85 | 7 | 5 | - | - | 10 | 10 | 2500 |
| | Catterick ... | 175 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Tynemouth ... | 108 | 1022·0 | +8 | N | 4 | $ir_o$ | 46 | 85 | 7 | - | 2 | - | 10 | 10 | 800 |
| 11 | St. Abb's Head .. | 280 | 1023·4 | 0 | NNW | 2 | c | 45 | 85 | 8 | 3 | 2 | - | 7-8 | 10 | 1500 |
| | Leuchars ... | 36 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 12 | Renfrew (Abbots I.) | 19 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Eskdalemuir ... | 794 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Point of Ayre... | 30 | 1025·0 | +2 | N | 4 | c | 47 | 85 | 8 | 5 | - | - | 9+ | 9+ | 2500 |
| 13A | Tiree ... ... | 22 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 13B | Stornoway ... | 80 | 1024·4 | +4 | WNW | 3 | bc | 39 | 85 | 8 | 5 | 7 | - | 4-6 | 4-6 | 2500 |
| 15 | Dalwhinnie ... | 1176 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Aberdeen ... | 79 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Wick ... | 81 | 1022·4 | +2 | WNW | 3 | c | 37 | 92 | 8 | 8 | 7 | - | 4-6 | 7-8 | 1500 |
| 16 | Lerwick ... | 156 | 1019·9 | +6 | W | 3 | bc | 41 | 85 | 8 | 8 | - | - | 4-6 | 4-6 | 1500 |
| 17 | Blacksod Point | 18 | 1029·2 | 0 | - | 0 | bc | 48 | 85 | 8 | 4 | - | - | 2-3 | 2-3 | 4000 |
| 18 | Malin Head ... | 84 | 1027·1 | +2 | N'W | 3 | c/pr | 47 | 85 | 6 | 9 | 1 | - | 4-6 | 7-8 | 1500 |
| | Aldergrove ... | 268 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 19 | Birr Castle ... | 173 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 20 | Valentia Obsy. † | 30 | 1029·4 | 0 | N | 5 | b | 47 | 97 | 7 | - | - | - | 0 | 0 | . |
| | Roches Point | 22 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |

### OBSERVATIONS at 7 hr. G.M.T. 25th April

| District | Stations | Barom. at M.S.L. mb. (15) | Change in 3 hours (16) | Wind Direc. (17) | Wind Force 0–12 (18) | Weather (19) | Temp. °F. (20) | Humid. % (21) | Visibility 0–9 (22) | Cloud Form Low (23) | Cloud Form Med. (24) | Cloud Form High (25) | Cloud Amount Low 0–10 (26) | Cloud Amount Total 0–10 (27) | Height of Base (feet) (28) | State of Ground 0–9 (29) | Sea 0–9 (30) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | London (Kew) | 1021·2 | -2 | NW | 2 | $z_o$ | 48 | 75 | 6 | 5 | 2 | - | 4-6 | 9+ | 4000 | 1 | * |
| | Croydon ... | 1021·4 | -2 | WNW | 2 | $z_o$ | 46 | 85 | 5 | 5 | 3 | - | 9 | 10 | 1500 | 0 | * |
| | S. Farnborough | 1021·6 | 0 | NNW | 3 | c | 47 | 75 | 7 | 5 | - | - | 9+ | 9+ | 7200 | 0 | * |
| | Boscombe Down | 1022·8 | +2 | NW'N | 3 | c | 44 | 75 | 7 | 5 | 3 | - | 4-6 | 7-8 | 4000 | 0 | * |
| | Calshot (Sthmtn.) | 1021·9 | -2 | NW'N | 4 | c | 48 | 75 | 7 | 5 | 7 | - | 7-8 | 10 | 4000 | 0 | 2 |
| | Lympne ... | 1021·2 | -6 | NW'N | 2 | c/pr | 42 | 85 | 6 | 5 | 7 | - | 4-6 | 9+ | 4000 | 0 | 0 |
| | Manston ... | 1020·6 | -2 | NW'W | 2 | $z_o$ | 42 | 97 | 6 | 5 | - | - | 10 | 10 | 2500 | 0 | * |
| 2 | Shoeburyness... | 1020·8 | -2 | NW | 2 | c/r | 45 | 85 | 5 | 5 | - | - | 9+ | 9+ | 4000 | 1 | * |
| | Felixstowe ... | 1020·4 | +6 | - | 0 | $ir_o$ | 43 | 92 | 6 | 5 | 2 | - | 4-6 | 9+ | 7200 | 0 | * |
| | Gorleston ... | 1020·3 | -4 | WNW | 2 | bc | 46 | 85 | 5 | 5 | 4 | - | 2-3 | 4-6 | 2500 | 0 | 1 |
| | Mildenhall ... | 1020·3 | 0 | N'W | 3 | $id_o$ | 46 | 92 | 5 | 5 | - | - | 9+ | 9+ | 2500 | 1 | * |
| | Cranwell ... | 1021·6 | +6 | NNW | 4 | c | 46 | 75 | 7 | 5 | - | 1 | 4-6 | 7-8 | 1500 | 0 | * |
| 3 | Birmingham ... | 1022·8 | 0 | NNW | 4 | c | 43 | 85 | 6 | 5 | - | - | 9+ | 9+ | 2500 | 0 | * |
| | Upper Heyford | 1021·7 | -10 | NW | 4 | c | 45 | 85 | 7 | 5 | 2 | - | 9 | 10 | 2500 | 0 | * |
| 4 | Ross-on-Wye | 1023·3 | -4 | NW | 2 | c | 46 | 75 | 8 | 5 | - | 7 | 1 | 9+ | 2500 | 0 | * |
| 5 | Bristol ... | 1023·2 | -6 | N | 2 | c | 46 | 75 | 7 | 5 | 1 | - | 4-6 | 9+ | 4000 | 0 | * |
| | Portland Bill ... | 1022·1 | -2 | NW | 3 | c | 48 | 85 | 7 | 4 | 4 | - | 4-6 | 10 | 2500 | 0 | 2 |
| | Plymouth ... | 1023·9 | -2 | N | 1 | c | 46 | 75 | 8 | 5 | - | 7 | 2-3 | 10 | 7200 | 1 | 1 |
| | The Lizard ... | 1024·6 | +4 | - | 0 | c | 47 | 85 | 8 | 8 | 2 | - | 7-8 | 10 | 1500 | 0 | 0 |
| | Scilly (St. Mary's) | 1025·3 | +4 | NE'N | 5 | c | 49 | 92 | 7 | 5 | - | - | 10 | 10 | 2500 | 0 | 2 |
| | Guernsey .. | 1023·0 | 0 | NNW | 2 | bc | 49 | 85 | 7 | - | 7 | 8 | 0 | 4-6 | - | 0 | 2 |
| 6 | Pembroke ... | 1025·4 | -6 | NNW | 3 | c | 47 | 85 | 7 | 8 | 6 | - | 7-8 | 9+ | 1500 | 0 | 1 |
| 7 | Holyhead ... | 1024·7 | 0 | N'W | 5 | c | 47 | 85 | 7 | 2 | 7 | 8 | 1 | 10 | 4000 | 0 | 3 |
| | Chester(Sealand) | 1024·0 | +6 | N'W | 3 | c | 47 | 75 | 7 | 5 | 7 | - | 4-6 | 9 | 5700 | 0 | * |
| 8 | Manchester ... | 1023·4 | +10 | N'E | 3 | $z_o$ | 47 | 75 | 6 | 5 | 3 | - | 2-3 | 7-8 | 4000 | 0 | * |
| 10 | Spurn Head ... | 1020·3 | -10 | N'E | 6 | q | 46 | 85 | 7 | 8 | 4 | - | 9+ | 9+ | 1500 | 0 | 4 |
| | Catterick ... | 1024·3 | +6 | NNW | 2 | c/pr | 45 | 75 | 7 | 5 | 3 | - | 7-8 | 9 | 1500 | 0 | * |
| | Tynemouth ... | 1023·6 | +6 | N | 4 | bc | 45 | 75 | 8 | 2 | - | 1 | 4-6 | 4-6 | 1500 | 0 | 2 |
| 11 | St. Abb's Head .. | 1024·2 | +4 | NW | 3 | bc | 44 | 65 | 9 | 1 | 3 | 9 | Tr | 4-6 | 4000 | 1 | 3 |
| | Leuchars ... | 1024·9 | +10 | WSW | 2 | c | 43 | 75 | 9 | 4 | 3 | - | Tr | 7-8 | 5700 | 0 | * |
| 12 | Renfrew (Abbots I.) | 1025·6 | +6 | W'N | 1 | c | 44 | 75 | 8 | - | 7 | 8 | 0 | 9+ | - | 0 | * |
| | Eskdalemuir ... | 1024·6 | +10 | NNE | 4 | c | 45 | 56 | 8 | 1 | 7 | 2 | Tr | 9 | 4000 | 0 | * |
| | Point of Ayre... | 1025·3 | +10 | N | 4 | c | 47 | 75 | 8 | 2 | 7 | 3 | Tr | 9+ | 2500 | 0 | 3 |
| 13A | Tiree ... ... | 1025·8 | 0 | NW | 2 | c | 43 | 75 | 8 | 5 | - | - | 9 | 9 | 4000 | 0 | 2 |
| 13B | Stornoway ... | 1024·1 | 0 | SW | 2 | c | 45 | 85 | 8 | 5 | 2 | - | 4-6 | 10 | 2500 | 1 | 1 |
| 15 | Dalwhinnie ... | * | 0 | NNE | 1 | c | 38 | 85 | 8 | 4 | 3 | - | 2-3 | 9 | 4000 | 1 | * |
| | Aberdeen ... | 1023·9 | +8 | NW'W | 2 | c | 42 | 75 | 7 | 5 | - | - | 9 | 9 | 2500 | 0 | 1 |
| | Wick ... | 1022·8 | +4 | WNW | 2 | c | 42 | 85 | 7 | 5 | 7 | - | 7-8 | 9+ | 1500 | 1 | 2 |
| 16 | Lerwick ... | 1020·7 | +4 | WNW | 3 | c | 42 | 75 | 8 | 5 | 7 | - | 7-8 | 9+ | 1500 | 1 | * |
| 17 | Blacksod Point | 1028·9 | 0 | NW | 3 | c | 49 | 85 | 8 | 5 | - | - | 9 | 9 | 1500 | 0 | 3 |
| 18 | Malin Head ... | 1027·3 | +2 | NW'W | 3 | c | 48 | 75 | 7 | 4 | - | - | 9 | 9 | 4000 | 0 | 2 |
| | Aldergrove ... | 1026·9 | +6 | N'W | 2 | c | 45 | 75 | 7 | 5 | 3 | 1 | 2-3 | 7-8 | 1500 | 0 | * |
| 19 | Birr Castle ... | 1028·2 | +2 | NW | 1 | c | 38 | 97 | 7 | 5 | - | 8 | 4-6 | 9 | 2500 | 0 | * |
| 20 | Valentia Obsy. † | 1029·2 | 0 | N'E | 4 | c | 49 | 75 | 8 | 1 | 3 | 8 | 1 | 9+ | 2500 | 0 | 1 |
| | Roches Point | 1028·6 | * | NW | 3 | c | 44 | 85 | 8 | 5 | - | 6 | 1 | 7-8 | 2500 | 0 | 1 |

### PAST 24 HOURS.

| District | Stations | Temperature Max. Day 7h–18h °F. | Temperature Min. Night 18h–7h °F. | Temperature Min. on Grass °F. | Rainfall Day 7h–18h mm. | Rainfall Night 18h–7h mm. | Sunshine 24 Hrs. (36) |
|---|---|---|---|---|---|---|---|
| 1 | London (Kew) | 52 | 46 | 42 | 0·1 | - | 0·5 |
| | Croydon ... | 51 | 45 | 42 | Tr | - | 0·2 |
| | S. Farnborough | 52 | 44 | 41 | Tr | - | 0·6 |
| | Boscombe Down | 54 | 41 | 39 | - | - | 1·3 |
| | Calshot (Sthmtn.) | 53 | 46 | 44 | - | - | 1·4 |
| | Lympne ... | 51 | 37 | 27 | - | Tr | 3·6 |
| | Manston ... | 50 | 35 | 26 | - | - | 3·0 |
| 2 | Shoeburyness... | 54 | 40 | 30 | - | Tr | 1·2 |
| | Felixstowe ... | 51 | 39 | 30 | Tr | Tr | 0·1 |
| | Gorleston ... | 49 | 40 | 36 | Tr | - | 2·4 |
| | Mildenhall ... | 53 | 43 | 41 | Tr | Tr | 1·4 |
| | Cranwell ... | 52 | 45 | 41 | Tr | - | 0·1 |
| 3 | Birmingham ... | 53 | 42 | 40 | - | - | 0·5 |
| | Upper Heyford | 52 | 43 | 39 | - | Tr | * |
| 4 | Ross-on-Wye | 56 | 40 | 29 | - | - | 3·4 |
| 5 | Bristol ... | 55 | 39 | 31 | - | - | 2·1 |
| | Portland Bill ... | 51 | 45 | * | - | - | * |
| | Plymouth ... | 55 | 44 | 40 | - | - | 2·7 |
| | The Lizard ... | 55 | 42 | * | - | - | 2·3 |
| | Scilly (St. Mary's) | 55 | 46 | * | - | - | 4·0 |
| | Guernsey .. | 51 | 44 | 37 | - | - | 2·6 |
| 6 | Pembroke ... | 57 | 44 | * | - | - | 4·4 |
| 7 | Holyhead ... | 53 | 46 | 43 | - | Tr | 10·4 |
| | Chester(Sealand) | 54 | 44 | 38 | - | - | 4·8 |
| 8 | Manchester ... | 56 | 39 | 34 | - | - | 1·4 |
| 10 | Spurn Head ... | 52 | 45 | * | - | - | 0·4 |
| | Catterick ... | 56 | 41 | 39 | - | 0·1 | 0·2 |
| | Tynemouth ... | 56 | 44 | 41 | - | 0·5 | 0·5 |
| 11 | St. Abb's Head .. | 56 | 43 | 4 | - | 6 | * |
| | Leuchars ... | 61 | 36 | 28 | Tr | - | 5·9 |
| 12 | Renfrew (Abbots I.) | 54 | 39 | 33 | Tr | - | 6·4 |
| | Eskdalemuir ... | 58 | 34 | 29 | - | - | 4·6 |
| | Point of Ayre... | 57 | 46 | * | - | - | 10·7 |
| 13A | Tiree ... ... | 53 | 44 | 40 | 0·5 | - | 7·5 |
| 13B | Stornoway ... | 54 | 39 | * | 1 | 0·2 | 5·9 |
| 15 | Dalwhinnie ... | 55 | 30 | 23 | 1 | 0·4 | 5·7 |
| | Aberdeen ... | 57 | 36 | 32 | 0·1 | - | 5·4 |
| | Wick ... | 52 | 35 | * | 0·2 | 2 | * |
| 16 | Lerwick ... | 49 | 37 | * | 1 | 0·3 | 3·6 |
| 17 | Blacksod Point | 54 | 45 | * | 1 | - | * |
| 18 | Malin Head ... | 54 | 45 | * | Tr | - | 7·7 |
| | Aldergrove ... | 58 | 39 | 34 | 1 | - | 3·9 |
| 19 | Birr Castle ... | 58 | 36 | * | - | - | 5·4 |
| 20 | Valentia Obsy. † | 56 | 43 | 37 | Tr | - | 9·4 |
| | Roches Point | 59 | 43 | * | - | - | * |

### LONDON OBSERVATIONS

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations except for rainfall which is 9h—18h.

| | Height above M.S.L. in feet | Weather Morning (24 hrs. ended 9h.) | Weather Afternoon (24 hrs. ended 9h.) | Weather Night (24 hrs. ended 9h.) | Temperature Day Max. °F. | Temperature Night Min. °F. | Temperature Min. on Grass °F. | Rainfall Day mm. | Rainfall Night mm. | Sunshine to Sunset hrs. (Yesterday) | Humidity 15h. G.M.T % (Yesterday) | Humidity 9h. G.M.T % (To-day) | Visibility 9h. (To-day) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kew... | 18 | crcm | $cz_o$y | $cz_o$ | 52 | 46 | 42 | 0·1 | - | 0·5 | * | * | 5 |
| Croydon ... | 217 | $ir_o$czz | $cz_o$ | $czm_o$ | 51 | 45 | 42 | Tr | - | 0·2 | * | * | 6 |
| Greenwich (Royal Observatory)... | 149 | c | c | $c_o$ | 51 | 45 | 41 | - | - | 0·1 | 63 | 78 | 6 |
| City (Bunhill Row) ... | — | * | * | * | * | * | * | * | * | 0·1 | * | * | * |
| Westminster (St. James' Park) ... | 27 | * | * | * | 53 | 46 | 43 | - | - | 0·1 | 69 | 79 | * |
| Regents Pk. (Botanic Gardens)‡... | 166 | * | * | * | 53 | 45 | 41 | - | - | 0·1 | 73 | 78 | * |
| Camden Square ... | 110 | c | cpc | * | 51 | 43 | 39 | Tr | Tr | * | * | 77 | * |
| Kensington ... | 80 | cbc | c | * | 52 | 47 | 43 | - | Tr | 0·2 | 65 at 18h. | 71 | * |
| Hampstead Observatory ... | 450 | bc | c | o | 51 | 44 | 40 | - | - | 0·2 | * | 87 | * |

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. 25th

| South Kensington Max. | Time. | Min. | Time. |
|---|---|---|---|
| 403 | whole | period | |

| Kew Observatory Max. | Time. | Min. | Time. |
|---|---|---|---|
| 0·2 | 21 10th 24th | 0·1 | 13h 24th |

### FOREIGN OBSERVATIONS.

| Stations | 18h. G.M.T. 24th April Barom. mb. | Wind Direc. | Wind Force | Weather | Temp. °F. | 7h. G.M.T. 25th April Barom. mb. | Wind Direc. | Wind Force | Weather | Temp. °F. | Past 24 Hours Max. Day °F. | Min. Night °F. | Rainfall Day mm. | Rainfall Night mm. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Paris ... | 1020·5 | N | 1 | bc | 54 | 1020·6 | NW | 2 | c | 43 | 55 | 37 | - | - |
| Brussels ... | 1020·2 | NW | 3 | o | 46 | 1014·4 | NW | 1 | $z_o$ | 43 | 50 | 50 | - | * |
| Berlin ... | 1014·3 | - | 0 | c | 43 | 1015·3 | NE | 1 | c | 39 | 50 | * | 0·2 | * |
| Zurich ... | 1017·1 | ESE | 1 | c | 46 | 1017·2 | WNW | 1 | $ir_o$ | 41 | 57 | 37 | - | 0·3 |
| Rome ... | 1017·5 | W | 5 | c | 54 | 1015·9 | NE | 1 | c | 50 | * | * | 1 | * |

### EXPLANATION OF FIGURES, LETTERS, etc.

**COLUMNS 2, 16.**
The barometric tendency is expressed in tenths of a millibar.

**COLUMNS 4, 18.**
The Beaufort Scale of Wind is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers is the speed at about 30 feet above the ground.

| Beaufort No. | Statute m/h. | Beaufort No. | Statute m/h. | Beaufort No. | Statute m/h. |
|---|---|---|---|---|---|
| 0 | <1 | 4 | 13–18 | 9 | 47–54 |
| 1 | 1–3 | 5 | 19–24 | 10 | 55–63 |
| 2 | 4–7 | 6 | 25–31 | 11 | 64–75 |
| 3 | 8–12 | 7 | 32–38 | 12 | > 75 |
| | | 8 | 39–46 | | |

**COLUMNS 34, 35.**
Tr. = rain has fallen, but amount less than 0·1 mm.

**COLUMNS 8, 22 — Code for surface visibility.**

| | Objects not visible at |
|---|---|
| 0 Dense fog | 55 yards. |
| 1 Thick fog | 220 ,, |
| 2 Fog | 550 ,, |
| 3 Moderate fog | 1,100 ,, |
| 4 Mist or haze | 1¼ miles. |
| 5 Poor visibility | 2½ ,, |
| 6 Moderate ,, | 6½ ,, |
| 7 Good ,, | 12½ ,, |
| 8 Very good ,, | 31 ,, |
| 9 Excellent ,, | beyond 31m. |

**COLUMN 30.—Code for State of Sea.**

| | |
|---|---|
| 0 Calm. | 5 Very rough. |
| 1 Smooth. | 6 High. |
| 2 Slight. | 7 Very high. |
| 3 Moderate. | 8 Precipitous. |
| 4 Rough. | 9 Confused. |

TERMS OF SUBSCRIPTION. Single Copies, 1d. each: by post 1½d. 2/6 per month; 6/6 per quarter; 25/- per year.

METEOROLOGICAL OFFICE, AIR MINISTRY, ADASTRAL HOUSE, KINGSWAY, LONDON, W.C.2.

George C. Simpson, K.C.B., D.Sc., F.R.S., Director.

† 1 hr. observations are from Valentia W/T Station. ‡ Maximum and Minimum Temperatures are for the 24 hours ending 8 h. ‖ See disturbance reported from Dungeness.

Page 1.

AIR MINISTRY.

# THE DAILY WEATHER REPORT

## OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Tuesday, 26th April, 1938.
No. 27914.

### OBSERVATIONS at 13h. G.M.T. April 25th

| District | Stations (For heights see p. 4.) | Barom. at M.S.L. mb. (1) | Change in 3 hours (2) | Wind Direc. (3) | Wind Force 0–12 (4) | Weather (5) | °F. Temp. (6) | % Humid. (7) | Visibility 0–9 (8) | Cloud Form Low (9) | Cloud Form Med. (10) | Cloud Form High (11) | Cloud Amount Low 0–10 (12) | Cloud Amount Total 0–10 (13) | Height of Base (feet) (14) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | London (Kew) | 1021.4 | +2 | N'E | 3 | ir$_o$ | 49 | 75 | 6 | 5 | - | - | 10 | 10 | 1500 |
| | Croydon ... | 1021.1 | +2 | N | 3 | c/pr | 50 | 75 | 5 | 8 | - | - | 9 | 9 | 2500 |
| | S. Farnborough | 1021.4 | +2 | NE'N | 3 | c/r | 49 | 65 | 6 | 8 | - | - | 10 | 10 | 1500 |
| | Boscombe Down | 1021.6 | -4 | NE'N | 4 | r$_o$r$_o$ | 48 | 75 | 6 | 5 | 2 | - | 4-6 | 9+ | 2500 |
| | Calshot (Sthmtn.) | 1021.0 | -6 | N'W | 4 | c | 54 | 65 | 6 | 5 | 7 | - | 7-8 | 9+ | 2500 |
| | Lympne ... | 1020.6 | -2 | ESE | 3 | c | 51 | 65 | 7 | 8 | - | - | 7-8 | 7-8 | 4000 |
| | Manston ... | 1020.7 | 0 | N'E | 3 | c | 52 | 65 | 8 | 2 | 7 | - | 1 | 9+ | 2500 |
| 2 | Shoeburyness ... | 1020.8 | +2 | S'E | 2 | ir$_o$ | 50 | 75 | 6 | 6 | 7 | - | 2-3 | 9+ | 2500 |
| | Felixstowe ... | 1020.9 | +2 | NE'E | 2 | c | 51 | 75 | 6 | 5 | - | - | 10 | 10 | 5700 |
| | Gorleston ... | 1021.1 | +8 | N'W | 5 | c | 49 | 75 | 7 | 5 | 3 | 1 | 2-3 | 7-8 | 2500 |
| | Mildenhall ... | 1021.3 | 0 | NE | 3 | z$_o$ | 51 | 75 | 6 | 8 | 7 | - | 7-8 | 9 | 2500 |
| | Cranwell ... | 1023.1 | +4 | NNE | 4 | c | 53 | 45 | 9 | 2 | - | 7 | 4-6 | 10 | 2500 |
| 3 | Birmingham ... | 1022.0 | -2 | NNE | 3 | c | 53 | 45 | 7 | 2 | - | - | 4-6 | 10 | 4000 |
| | Upper Heyford | 1022.0 | -6 | NNE | 4 | c | 53 | 55 | 8 | 2 | 6 | 8 | 9 | 9+ | 2500 |
| 4 | Ross-on-Wye | 1022.2 | -6 | N'E | 4 | c | 55 | 45 | 6 | 2 | - | 7 | 4-6 | 9+ | 4000 |
| 5 | Bristol ... | 1022.2 | -6 | NE | 2 (4) | c | 53 | 65 | 7 | 7 | 1 | 1 | 7-8 | 7-8 | 2500 |
| | Portland Bill ... | 1020.6 | -8 | N | 3 | c | 52 | 65 | 7 | 4 | - | - | 10 | 10 | 2500 |
| | Plymouth ... | 1021.9 | -14 | N'W | 3 | c | 52 | 55 | 8 | 8 | 7 | 8 | 7-8 | 9+ | 2500 |
| | The Lizard ... | 1023.0 | -8 | N | 5 | c | 53 | 65 | 8 | 8 | 1 | - | 7-8 | 7-8 | 2500 |
| | Scilly (St. Mary's) | 1024.7 | -8 | N | 5 | c | 52 | 65 | 8 | 8 | 7 | 7 | 4-6 | 9 | 1500 |
| | Guernsey ... | 1022.3 | -6 | NNE | 2 | c | 49 | 75 | 7 | 8 | - | - | 10 | 10 | 1500 |
| 6 | Pembroke ... | 1024.5 | -4 | N | 6 | q | 52 | 75 | 8 | 2 | 6 | - | 4-6 | 7-8 | 2500 |
| 7 | Holyhead ... | 1025.4 | 0 | N'E | 4 | bc | 51 | 75 | 8 | 1 | 5 | 4 | 2-3 | 4-6 | 2500 |
| | Chester (Sealand) | 1024.7 | 0 | N'W | 3 | c | 53 | 55 | 7 | 5 | 7 | - | 4-6 | 9+ | 5700 |
| 8 | Manchester ... | 1023.8 | -2 | N'E | 3 | c | 53 | 45 | 8 | 8 | 3 | - | 4-6 | 9+ | 2500 |
| 10 | Spurn Head ... | 1023.0 | +6 | N'E | 5 | c | 47 | 75 | 7 | 5 | 1 | - | 4-6 | 10 | 1500 |
| | Catterick ... | 1024.1 | -2 | N'E | 3 | c | 50 | 45 | 8 | 8 | 7 | - | 4-6 | 9+ | 4000 |
| | Tynemouth ... | 1024.1 | +4 | N | 4 | c | 47 | 75 | 8 | 8 | - | - | 9+ | 9+ | 1500 |
| 11 | St. Abbs Head . | 1025.1 | +4 | WNW | 2 | c | 45 | 65 | 9 | 8 | 3 | 9 | 4-6 | 10 | 2500 |
| | Leuchars ... | 1024.1 | -6 | WNW | 3 | c | 51 | 55 | 9 | 7 | 2 | - | 4-6 | 10 | 4000 |
| 12 | Renfrew (Abbots I.) | 1024.8 | -8 | WNW | 3 | c | 51 | 55 | 8 | 1 | 7 | - | 2-3 | 10 | 4000 |
| | Eskdalemuir ... | 1023.9 | -6 | N'E | 3 | c | 52 | 35 | 8 | 5 | 9 | 6 | 2-3 | 9+ | 4000 |
| | Point of Ayre ... | 1025.4 | -2 | NWW | 3 | c | 56 | 65 | 8 | 1 | 3 | 9 | Tr | 9+ | 4000 |
| 13A | Tiree ... | 1025.2 | -6 | WNW | 4 | id$_o$ | 50 | 85 | 7 | 5 | - | - | 9+ | 9+ | 1500 |
| 13B | Stornoway ... | 1023.3 | -2 | WNW | 4 | c/d | 47 | 92 | 7 | 5 | 2 | - | 9 | 10 | 1500 |
| 15 | Dalwhinnie ... | 1024.1 | -6 | WSW | 1 | •c | 46 | 65 | 8 | 4 | 2 | - | 4-6 | 10 | 4000 |
| | Aberdeen ... | 1023.0 | -6 | N'W | 3 | c | 51 | 55 | 8 | 1 | 7 | - | 2-3 | 10 | 4000 |
| | Wick ... | 1022.4 | -4 | NW | 3 | c | 48 | 65 | 7 | 5 | 7 | - | 7-8 | 10 | 1500 |
| 16 | Lerwick ... | 1020.4 | -4 | W | 3 | c | 46 | 85 | 8 | 5 | 7 | - | 7-8 | 9 | 1500 |
| 17 | Blacksod Point | 1028.5 | -8 | NW | 3 | bc | 54 | 75 | 8 | 2 | 5 | - | 2-3 | 4-6 | 2500 |
| 18 | Malin Head ... | 1026.9 | -4 | NWW | 3 | c | 53 | 85 | 7 | 8 | 5 | - | 2-3 | 7-8 | 2500 |
| | Aldergrove ... | 1026.5 | -6 | N'W | 3 | c | 52 | 65 | 7 | 5 | 7 | - | 4-6 | 9+ | 2500 |
| 19 | Birr Castle ... | 1027.2 | -12 | NW | 2 | c | 56 | 55 | 8 | 8 | 1 | - | 4-6 | 10 | 1500 |
| 20 | Valentia Obsy. † | 1028.6 | -8 | NE'N | 4 | bc | 56 | 55 | 8 | 2 | - | 1 | 2-3 | 4-6 | 2500 |
| | Roches Point | 1026.8 | * | NNE | 3 | bc | 55 | 56 | 8 | [illegible] | - | 5 | 4-6 | 4-6 | 2500 |

### OBSERVATIONS at 18h. G.M.T. April 25th

| Stations | Barom. at M.S.L. mb. (15) | Change in 3 hours (16) | Wind Direc. (17) | Wind Force 0–12 (18) | Weather (19) | °F. Temp. (20) | % Humid. (21) | Visibility 0–9 (22) | Cloud Form Low (23) | Cloud Form Med. (24) | Cloud Form High (25) | Cloud Amount Low 0–10 (26) | Cloud Amount Total 0–10 (27) | Height of Base (feet) (28) | State of Ground 0–9 (29) | Sea 0–9 (30) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| London (Kew) | 1022.1 | +14 | NNE | 3 | r$_o$r$_o$ | 46 | 85 | 5 | 5 | - | - | 10 | 10 | 1500 | 1 | * |
| Croydon | 1021.9 | +14 | NE | 3 | ir$_o$ | 47 | 85 | 4 | 5 | 7 | - | 7-8 | 10 | 4000 | 1 | * |
| S. Farnborough | 1022.0 | +16 | NE'N | 4 | ir$_o$ | 46 | 85 | 6 | 5 | 2 | - | 9+ | 10 | 2500 | 1 | * |
| Boscombe Down | 1021.9 | +10 | NE'E | 4 | c | 50 | 92 | 8 | 5 | 7 | - | 2-3 | 9+ | 4000 | 0 | * |
| Calshot (Sthmtn.) | 1021.2 | +2 | N | 4 | z$_o$ | 51 | 65 | 6 | 5 | - | - | 10 | 10 | 2500 | 0 | 2 |
| Lympne | 1021.5 | +6 | NNE | 3 | c | 46 | 85 | 7 | 5 | 4 | 1 | 7-8 | 9+ | 5700 | 0 | §2 |
| Manston | 1021.4 | +2 | NE'N | 4 | c | 46 | 85 | 6 | 5 | 7 | - | 7-8 | 9+ | 800 | 0 | * |
| Shoeburyness | 1021.9 | +6 | NE | 2 | c/r | 45 | 92 | 7 | 5 | 7 | - | 4-6 | 10 | 2500 | 1 | * |
| Felixstowe | 1021.4 | 0 | N'E | 4 | c | 49 | 65 | 7 | 8 | 7 | - | 9 | 9+ | 2500 | 0 | 2 |
| Gorleston | 1021.7 | +8 | N'W | 4 | c | 48 | 75 | 6 | 8 | - | - | 9+ | 9+ | 2500 | 0 | 2 |
| Mildenhall | 1022.2 | +2 | N'E | 3 | c | 47 | 85 | 8 | 8 | 2 | - | 9 | 10 | 2500 | 1 | * |
| Cranwell | 1023.0 | -10 | N'E | 4 | c | 47 | 65 | 9 | 1 | 7 | - | Tr | 9+ | 2500 | 0 | * |
| Birmingham | 1022.3 | +2 | NE | 3 | c | 50 | 55 | 6 | 5 | 3 | - | 4-6 | 10 | 2500 | 0 | * |
| Upper Heyford | 1022.7 | +6 | NE | 3 | c | 48 | 65 | 8 | 5 | 3 | - | Tr | 9+ | 4000 | 0 | * |
| Ross-on-Wye | 1022.3 | +4 | E'N | 3 | c | 51 | 55 | 6 | 5 | - | - | 9+ | 9+ | 2500 | 0 | * |
| Bristol | 1022.2 | +2 | NE | 3 | c | 52 | 55 | 7 | 7 | - | - | 9+ | 9+ | 4000 | 0 | * |
| Portland Bill | 1021.8 | +10 | NE | 3 | c | 51 | 75 | 7 | 4 | 7 | - | 7-8 | 10 | 2500 | 0 | 2 |
| Plymouth | 1021.1 | 0 | NE | 3 | z$_o$ | 54 | 45 | 6 | 5 | 3 | 7 | 7-8 | 9+ | 4000 | 0 | 1 |
| The Lizard | 1021.5 | 0 | N | 5 | c | 49 | 75 | 8 | 8 | 6 | - | 4-6 | 7-8 | 2500 | 1 | 2 |
| Scilly (St. Mary's) | 1023.2 | -8 | NE'N | 5 | bc | 49 | 75 | 8 | 4 | 4 | 3 | Tr | 4-6 | 2500 | 0 | 3 |
| Guernsey | 1020.6 | -2 | NE | 2 | bc | 50 | 75 | 7 | 1 | 3 | - | 1 | 2-3 | 2500 | 0 | 2 |
| Pembroke | 1023.9 | -4 | N | 5 | q | 49 | 65 | 8 | 5 | 4 | - | 4-6 | 7-8 | 2500 | 0 | 2 |
| Holyhead | 1024.8 | -2 | N'E | 3 | c | 49 | 75 | 8 | 5 | 4 | 8 | 2-3 | 9+ | 4000 | 0 | 2 |
| Chester (Sealand) | 1024.4 | +2 | NW | 4 | c | 50 | 65 | 7 | 5 | 7 | - | 7-8 | 10 | 4000 | 0 | * |
| Manchester | 1023.7 | 0 | NE | 3 | z$_o$ | 52 | 45 | 6 | 5 | 3 | - | 2-3 | 10 | 4000 | 0 | * |
| Spurn Head | 1023.3 | 0 | N'E | 4 | c | 46 | 75 | 7 | 7 | 7 | 9 | 4-6 | 7-8 | 1500 | 0 | 2 |
| Catterick | 1024.1 | +2 | NNE | 2 | c | 47 | 65 | 7 | 5 | - | - | 9 | 9 | 4000 | 0 | * |
| Tynemouth | 1024.0 | -2 | N | 2 | c | 47 | 65 | 8 | 8 | 2 | - | 9+ | 9+ | 1500 | 0 | 1 |
| St. Abbs Head | 1023.8 | -4 | - | 0 | c | 49 | 65 | 8 | 4 | 2 | - | 2-3 | 10 | 2500 | 0 | 0 |
| Leuchars | 1023.3 | -2 | WNW | 1 | c/r | 51 | 65 | 8 | 5 | 2 | - | 4-6 | 10 | 2500 | 0 | * |
| Renfrew (Abbots I.) | 1023.7 | -2 | NW'W | 3 | c | 51 | 65 | 8 | 5 | 7 | - | 4-6 | 9+ | 4000 | 0 | * |
| Eskdalemuir | 1023.4 | 0 | NW | 3 | c | 49 | 55 | 8 | 5 | - | - | 10 | 10 | 4000 | 0 | * |
| Point of Ayre | 1024.5 | -6 | N'W | 4 | c | 51 | 75 | 8 | 5 | 7 | - | 1 | 9+ | 4000 | 0 | 3 |
| Tiree | 1024.7 | -2 | NW'W | 4 | id$_o$ | 49 | 85 | 6 | 5 | 7 | - | 7-8 | 9+ | 800 | 0 | 2 |
| Stornoway | 1023.0 | 0 | NW | 4 | c | 51 | 85 | 8 | 5 | 7 | 3 | 7-8 | 9+ | 2500 | 1 | 2 |
| Dalwhinnie | 1024.1 | -4 | SW | 2 | c | 46 | 75 | 7 | 5 | - | - | 10 | 10 | 2500 | 0 | * |
| Aberdeen | 1022.8 | -6 | SSW | 1 | r$_o$r$_o$ | 45 | 85 | 6 | 5 | 2 | - | 2-3 | 10 | 1500 | 1 | 1 |
| Wick | 1021.4 | -8 | WSW | 2 | id | 46 | 97 | 4 | 5 | 2 | - | 9 | 10 | 220 | 1 | 1 |
| Lerwick | 1019.6 | -4 | SW | 4 | id$_o$ | 44 | 92 | 6 | 5 | 2 | - | 7-8 | 10 | 450 | 1 | * |
| Blacksod Point | 1027.6 | -4 | N | 3 | bc | 51 | 85 | 8 | 2 | - | - | 4-6 | 4-6 | 4000 | 0 | 3 |
| Malin Head | 1025.9 | -2 | NWW | 3 | c | 50 | 75 | 7 | 8 | 1 | - | 7-8 | 9+ | 4000 | 0 | 2 |
| Aldergrove | 1025.1 | -6 | N | 4 | c | 55 | 55 | 7 | 5 | - | 1 | 9 | 9+ | 4000 | 0 | * |
| Birr Castle | 1025.8 | -8 | NW | 2 | c | 57 | 57 (55) | 8 | 8 | - | 9 | 4-6 | 7-8 | 2500 | 0 | * |
| Valentia Obsy. † | 1027.3 | -6 | N'E | 4 | bc | 54 | 65 | 8 | 1 | 5 | - | Tr | 2-3 | 2500 | 0 | 1 |
| Roches Point | 1025.4 | * | N | 3 | c | 56 | 55 | 8 | 5 | - | - | 9 | 9 | 2500 | 0 | 1 |

### PAST 24 HOURS. — Weather

| Stations | 7h.–13h. 25th (37) | 13h.–18h. 25th (38) | 18h. 25th to 1h. 26th (39) | 1h.–7h. 26th (40) |
|---|---|---|---|---|
| London (Kew) | cir$_o$z$_o$ | cz$_o$r$_o$r$_o$ | cr$_o$cm$_o$ | bcxcm$_o$ |
| Croydon | cPRm | czpr$_o$q | ir$_o$cmbm$_o$ | cm$_o$ |
| S. Farnborough | cir$_o$m$_o$c | cmpr$_o$c | c$_o$bm | bfmx |
| Boscombe Down | cir$_o$r$_o$m$_o$ | cr$_o$m$_o$cyc | c$_o$bc | bxb$_o$cm |
| Calshot (Sthmtn.) | c | cpr$_o$cy | cmcbc | bwm$_o$ |
| Lympne | pr$_o$cbcz$_o$c | c | cbcm$_o$ | cmcpr$_o$ |
| Manston | cm$_o$pr$_o$ | c | c | cir$_o$c |
| Shoeburyness | cir$_o$m$_o$ | cir$_o$m$_o$ | cpr$_o$ | cpr$_o$ |
| Felixstowe | r$_o$bccp$_o$ | cir$_o$cm | cbc | bccid |
| Gorleston | cbcz$_o$c | c | cbcc | cpr$_o$q |
| Mildenhall | id$_o$r$_o$r$_o$c | cz$_o$pr$_o$c | c$_o$bmw | bmffxb |
| Cranwell | bccy⊕ | cyc | cbcmw | bcwcm$_o$ |
| Birmingham | cbcc | c | c | cmc |
| Upper Heyford | cz$_o$r$_o$c | cy | cb | bcm$_o$ |
| Ross-on-Wye | cbcc | cy | cyo | cm$_o$ |
| Bristol | cbcc | cy | cm$_o$ | cm$_o$ |
| Portland Bill | c | c | cbc | bcbc |
| Plymouth | cy | cpr$_o$cy⊕ | czcy | cy |
| The Lizard | c | cpr$_o$c | cbcc | c |
| Scilly (St. Mary's) | c | cbc | bcc | c |
| Guernsey | bcc | cbc | bcbc | cpr$_o$ |
| Pembroke | cq | cq | c | c |
| Holyhead | cbc | bcc ⊕ | bcc | c |
| Chester (Sealand) | cz$_o$y | cy | c | cm$_o$w |
| Manchester | jpbcc | cy | czir$_o$ | cmff |
| Spurn Head | cq | c | cbc | bcc |
| Catterick | cpr$_o$cy | cyc | cm$_o$c | cm$_o$ |
| Tynemouth | bcp$_o$c | c | co | oc |
| St. Abbs Head | c | c | c | orrc |
| Leuchars | ccy | cyir$_o$c | c | cjppr$_o$ |
| Renfrew (Abbots I.) | cy | cy | cbw | bwcm$_o$ |
| Eskdalemuir | cbccy | cy | cycbc | bcpr$_o$c |
| Point of Ayre | c | c | cbc | c |
| Tiree | c | cid$_o$ | cidr | c |
| Stornoway | cd$_o$d$_o$ | cd$_o$d$_o$ | cpr$_o$ | c |
| Dalwhinnie | c | c | • | ciro |
| Aberdeen | bcc | ycr$_o$r$_o$ | cr$_o$z | cpr$_o$ |
| Wick | cpr$_o$c | r$_o$idm | cidmc | ddm$_o$c |
| Lerwick | cpr$_o$ | cid$_o$m$_o$ | cid$_o$ | cw |
| Blacksod Point | bc | bc | cbc | c |
| Malin Head | c | c | cbc | c |
| Aldergrove | c | c$_1$ybccy | cybcc | c |
| Birr Castle | cy | cy | c | c |
| Valentia Obsy. † | cbcy | bcybc | bcb | bbcc |
| Roches Point | cbcy | bccy | cybc | bc |

## EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

### COLUMNS 5, 19, 37, 38, 39, 40—BEAUFORT NOTATION AND SYMBOLS FOR WEATHER.

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog ,, less than 220 yds.
fs, low fog over sea (coast station).
fg, low fog over land (inland station).
m. mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jf, fog at a distance, but not at station.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/s$_o$, slight storm of drifting snow (generally low).
k/S, heavy storm of drifting snow (generally low).
s$_o$/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze: the turbid atmosphere of dry weather.
h(r), "hail" or "rain and hail."

Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus R, heavy rain. r$_o$, slight rain. rr, continuous rain.

<, less than (for cloud height).

⊕, Solar halo. ♁ lunar halo. ⁄ gale.

With present weather is combined, whenever possible, the general character of the weather.

A "solidus" divides actual existing weather from preceding conditions thus:—bc/r, fair weather after rain; —, has decreased; +, has increased.

### COLUMNS 9, 23.—FORM OF LOW CLOUD.

0 No low clouds.
1 Fair weather Cu.
2 Large Cu without anvil.
3 Cb.
4 Sc formed by the spreading out of Cu.
5 Layer of St or Sc.
6 Ragged low clouds of bad weather (or fractonimbus).
7 Fair weather Cu. and Sc.
8 Large-Cu (or Cb) and Sc.
9 Large-Cu (or Cb) and ragged low clouds of bad weather.

### COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4-6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries. "tr" signifies a small amount of cloud (trace) covering less than 1/20 of the sky. "9+" signifies an overcast sky with a few small openings.

### COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

0 No medium clouds.
1 Typical As (thin).
2 Typical As (thick) (sun or moon invisible), or Nimbostratus (Ns).
3 Single layer of Ac or high Sc.
4 Ac in isolated patches. Individually decreasing (often lenticular).
5 Ac in bands (increasing).
6 Ac formed from the spreading out of Cu.
7 Ac associated with As or As with parts resembling Ac.
8 Ac Castellatus (or Ac in ragged fragments).
9 Ac in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

### COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

0 No cirriform cloud.
1 Fine Ci not increasing: sparse.
2 Fine Ci not increasing: abundant but not a continuous layer.
3 Anvil Ci (usually dense).
4 Fine Ci increasing: usually in tufts.
5 Ci or Cs increasing: still below 45° altitude: often in polar bands.
6 Ci or Cs increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Cs covering whole sky.
8 Cs not increasing and not covering whole sky.
9 Cc predominating, and a little cirrus.
(Cc may occur with any of the types 1 to 8).

Cloud form abbreviations:—
Cirrus,–Ci: Cirrocumulus,–Cc: Cirrostratus,–Cs: Altocumulus,–Ac: Altostratus,–As
Stratocumulus,–Sc: Stratus,–St: Nimbostratus,–Ns: Cumulus,–Cu: Cumulonimbus,–Cb

### COLUMN 29.—STATE OF GROUND.

0 .. Ground dry.
1 .. ,, wet.
2 .. ,, flooded.
3 .. ,, frozen hard and dry.
4 .. ,, partly covered with snow or hail.
5 .. ,, covered with ice or glazed frost.
6 .. Ground covered with thawing snow.
7 .. ,, covered with snow, less than 6 ins., deep but ground not frozen.
8 .. ,, covered with snow, less than 6 ins., but ground frozen.
9 .. ,, covered with snow greater than 6 ins. deep.

NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

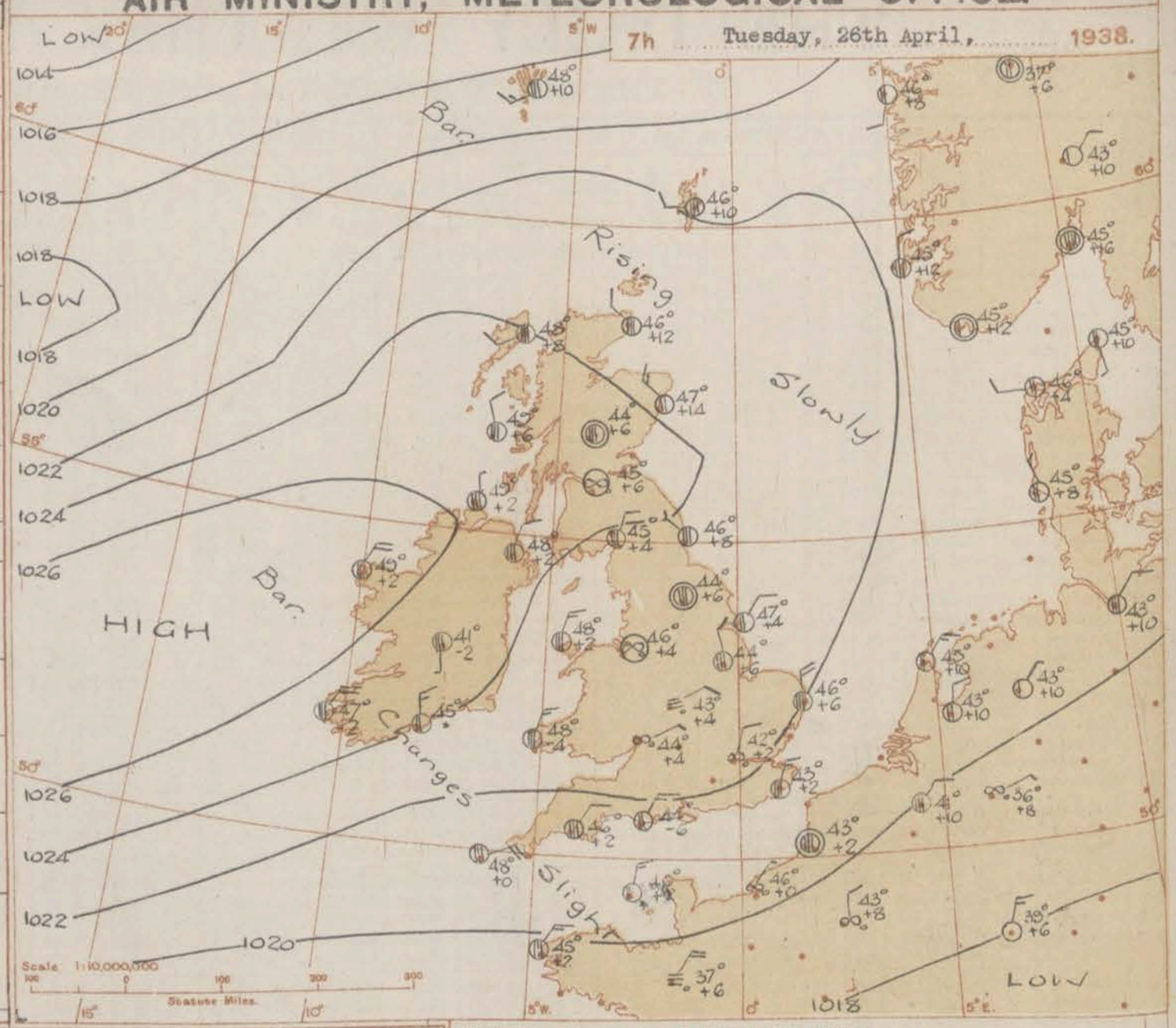
§ Sea disturbance reported from Dungeness.

# AIR MINISTRY, METEOROLOGICAL OFFICE.

## REPORTS from HEALTH RESORTS for 25th April 1938.

| Districts. | Stations. | Weather. Forenoon. | Weather. Afternoon. | Temperature (°F.) Min. 9h. 24th to 9h. 25th. | Temperature (°F.) Max. 9h.—17h. 25th. | Rainfall (mm.) Night. 17h. 24th to 9h. 25th. | Rainfall (mm.) Day. 9h.—17h. 25th. | Sunshine (Hrs.) Sunrise to 17h. 25th. | Sunshine (Hrs.) Sunrise to Sunset. 24th. |
|---|---|---|---|---|---|---|---|---|---|
| 1 | Tunbridge W. | crhtl | cq | 39 | 53 | – | 8 | 1·5 | 1·0 |
| | Bournemouth | c | bcbbc | 43 | 57 | – | – | 3·1 | 1·6 |
| | Ventnor ... | obc | copcu | 44 | 56 | – | Trace | 1·2 | 2·5 |
| | Southsea ... | cp bc | cbcpc | 46 | 57 | – | Trace | 1·9 | 1·3 |
| | Bognor Regis | coir | irbco | 45 | 54 | – | Trace | 0·7 | 1·6 |
| | Littlehampton | oc | cpbcc | 46 | 55 | – | 0·4 | 1·2 | 1·6 |
| | Worthing ... | cbcc | crhbcc | 47 | 54 | – | 1 | 1·6 | 0·9 |
| | Brighton ... | cbc | pc | 47 | 56 | – | 3 | 1·6 | 1·4 |
| | Eastbourne† ... | cotr | rocc | 46 | 54 | – | 1 | 1·7 | 2·0 |
| | Hastings† ... | ocpc | coc | 43 | 54 | Trace | 1 | 2·2 | 1·8 |
| | Folkestone ... | orcbc | c | 39 | 55 | 1 | – | 2·3 | 2·6 |
| | Dover ... | bcc | cbc | 38 | 55 | Trace | – | 3·7 | 1·8 |
| | Deal ... ... | ocob | bbco | 37 | 57 | – | – | 3·6 | 1·5 |
| | Ramsgate ... | cbc | bcc | 44 | 53 | – | – | 3·2 | 3·0 |
| | Margate ... | cbc | bcc | 43 | 53 | – | – | 3·2 | 3·5 |
| 2 | Southend ... | orc | or | 45 | 54 | – | 1 | 0·9 | 1·0 |
| | Clacton-on-Sea | cbc | bccpc | 40 | 55 | Trace | 1 | 2·3 | 0·4 |
| | Dovercourt ... | bcc | bcc | 40 | 55 | – | – | 3·0 | 0·5 |
| | Lowestoft ... | cbcb | bbcc | 37 | 55 | – | – | 5·9 | 2·6 |
| | Skegness ... | op c | oc | 45 | 49 | Trace | Trace | 0·1 | 0·1 |
| | Mablethorpe... | oc | c | 45 | 49 | – | – | 0·4 | 0·2 |
| | Cleethorpes ... | cbc | c | 45 | 54 | – | – | 2·1 | 0·5 |
| 3 | Leamington S. | oc | c | 44 | 56 | – | – | 1·2 | 1·8 |
| 4 | Cheltenham† | ocbc | bcc | 41 | 57 | – | – | 1·7 | 1·7 |
| 5 | Bath ... ... | c | bcc | 41 | 56 | – | – | 0·9 | 1·4 |
| | Weymouth ... | c | cbc | 46 | 56 | – | – | 2·0 | 1·1 |
| | Jersey ... | c | cbc | 44 | 55 | – | – | 3·1 | 4·2 |
| | Torquay ... | oqoc | cbzy | 43 | 56 | Trace | – | 1·7 | 2·9 |
| | Falmouth | c | c | 42 | 54 | – | – | 3·0 | 2·8 |
| | Penzance ... | c | bcb | 43 | 54 | – | – | 4·6 | 3·9 |
| | St. Ives ... | o | c | 44 | 58 | – | – | 3·8 | 1·5 |
| | Bude... ... | cbc | bcc | 34 | 54 | – | – | 4·0 | 1·9 |
| | Ilfracombe ... | ocbcc | cbcco | 44 | 54 | – | – | 3·2 | 2·8 |
| 6 | Aberystwyth | crbc | cbc | 45 | 52 | 0·5 | – | 2·6 | 4·0 |
| 7 | Llandudno ... | cbc | bcc | 46 | 53 | – | – | 5·3 | 7·9 |
| | Colwyn Bay... | bccbc | bcc | 46 | 51 | 0·3 | – | 5·1 | 6·7 |
| | Rhyl ... ... | cbcc | bcc | 46 | 53 | – | – | 4·3 | 7·2 |
| 8 | Wallasey ... | cbcc | c | 46 | 53 | – | – | 2·5 | 6·3 |
| | Southport ... | bcc | cbcc | 45 | 55 | – | – | 2·2 | 6·8 |
| | Blackpool ... | c | c | 42 | 54 | – | – | 6·1 | 7·0 |
| | Morecambe ... | bbcc | cbbc | 44 | 57 | – | – | 4·2 | 4·5 |
| 9 | Ilkley... ... | b | bbcc | 43 | 52 | – | – | 4·3 | 0·0 |
| | Harrogate ... | cbc | c | 42 | 51 | – | – | 2·1 | 0·0 |
| 10 | Berwick-on-T. | c | c | 42 | 49 | 0·5 | – | 2·9 | 2·9 |
| 11 | Dunbar ... | cmr | cm | 40 | 52 | 2 | – | 2·2 | 5·7 |
| 12 | Troon... ... | bcb | cbbcb | 44 | 53 | – | – | 4·0 | 7·5 |
| | Douglas ... | bc | bc | 43 | 53 | – | – | 6·1 | 11·1 |

† Max. Temp. for period 21h. yesterday to 17h. to-day: Min. Temp. 21h.–9h.




BAROMETER. Isobars are drawn for intervals of two millibars.
WIND, WEATHER SYMBOLS. For explanation see opposite page.
SEA DISTURBANCE. Rough. High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

| Districts. | FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 26th April, 1938 |
|---|---|
| 1 S.E. England<br>2 E. England ...<br>3 E. Midlands ...<br>4 W. Midlands ...<br>5 S.W. England<br>6 South Wales ...<br>7 North Wales ...<br>8 N.W. England<br>9 N. Midlands ...<br>10 N.E. England | Light or moderate variable winds; cloudy, but some bright periods; average temperature. |
| 11 S.E. Scotland<br>12 S.W. Scotland & Isle of Man.<br>13 A. W. Scotland B. N.W. Scotland.<br>14 Mid Scotland<br>15 N. E. Scotland | Wind light variable at first, freshening from southwest tonight; occasional rain; average temperature. |
| 16 Orkney and Shetland | Wind variable, freshening; occasional rain; rather cold. |
| 17 N. W. Ireland<br>18 N. E. Ireland | As 11 - 15. |
| 19 S. E. Ireland<br>20 S. W. Ireland | As 1 - 10. |

### GENERAL INFERENCE

An anticyclone is stationary off the west of Ireland and a disturbance 500 miles west of the Hebrides will move eastwards. Winds will freshen and there will be rain in the north of Scotland. In other areas cloudy conditions will persist with an average temperature.

### FURTHER OUTLOOK.

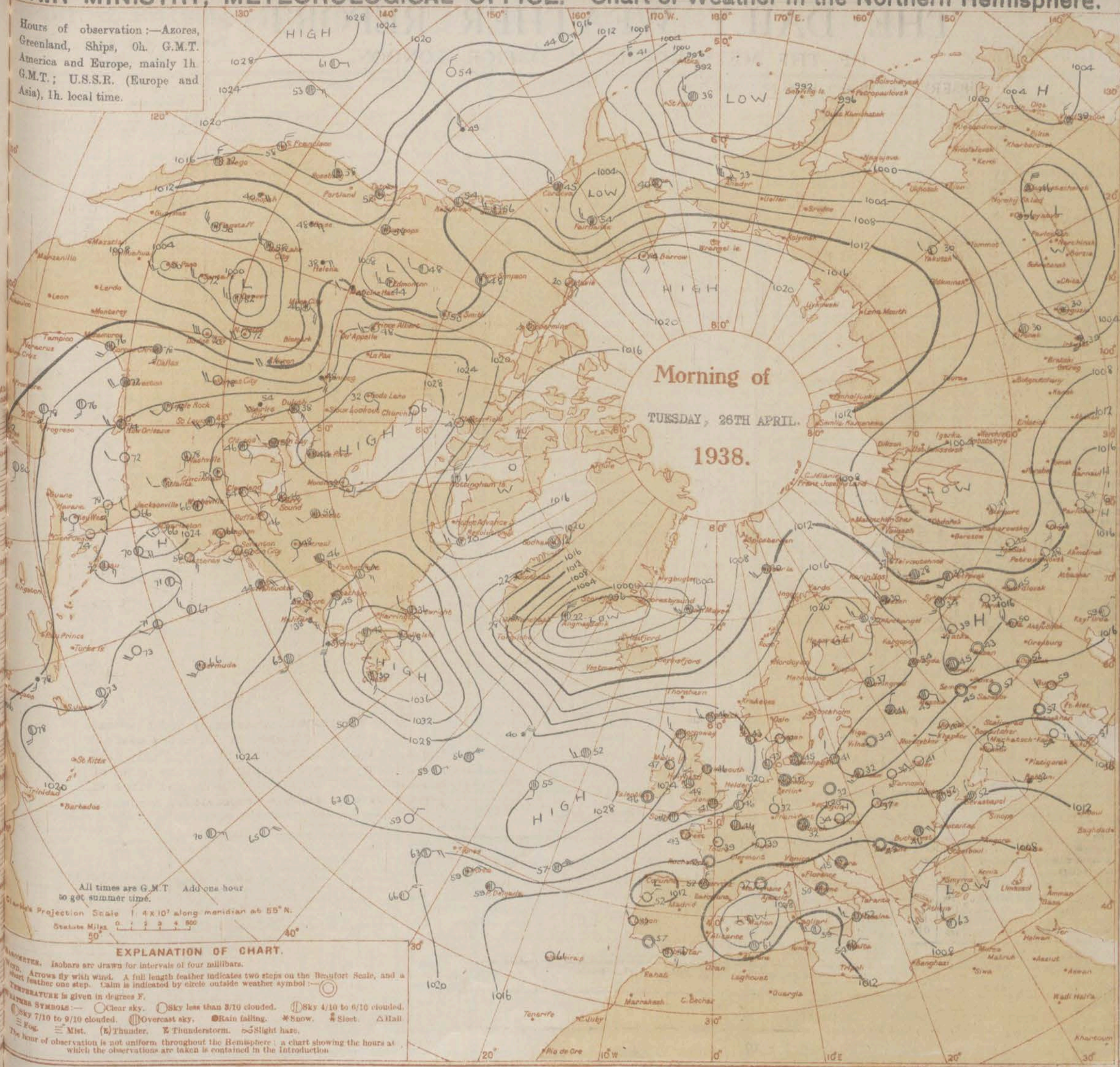
None issued.

Forecasts issued at 1000 G.M.T.

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S., Director.

H.M. Stationery Office Press, Kingsway, W.C.2

# AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.



AIR MINISTRY.

# THE DAILY WEATHER REPORT

## OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Tuesday, 26th April, 1938.
No. 27914.

### OBSERVATIONS at 1 hr. G.M.T. April 26th

| District | Stations | Height above M.S.L. in feet | Barom. at M.S.L. mb. (1) | Change in 3 hours (2) | Wind Direc. (3) | Wind Force 0–12 (4) | Weather (5) | Temp. °F. (6) | Humid. % (7) | Visibility 0–9 (8) | Cloud Form Low (9) | Cloud Form Med. (10) | Cloud Form High (11) | Cloud Amount Low 0–10 (12) | Cloud Amount Total 0–10 (13) | Height of Base (feet) (14) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | London (Kew) | 18 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Croydon ... | 217 | 1022·7 | -2 | N'E | 2 | z | 41 | 92 | 6 | 5 | - | - | 9+ | 9+ | 2500 |
| | S. Farnborough | 226 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Boscombe Down | 417 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Calshot (Sthmtn.) | 8 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Lympne ... | 346 | 1021·7 | -6 | N'E | 3 | c | 43 | 85 | 7 | 5 | - | - | 9+ | 9+ | 4000 |
| | Manston ... | 142 | 1021·4 | -6 | NNE | 3 | c | 45 | 85 | 7 | 5 | - | - | 10 | 10 | 4000 |
| 2 | Shoeburyness... | 11 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Felixstowe ... | 15 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Gorleston ... | 5 | 1022·0 | 0 | NNW | 4 | c | 46 | 75 | 8 | 8 | - | - | 9 | 9 | 2500 |
| | Mildenhall ... | 19 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Cranwell ... | 240 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 3 | Birmingham ... | 535 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Upper Heyford | 408 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 4 | Ross-on-Wye | 223 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 5 | Bristol ... | 209 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Portland Bill ... | 32 | 1021·5 | -6 | NE | 3 | bc | 46 | 85 | 8 | 4 | - | - | 4·6 | 4·6 | 2500 |
| | Plymouth ... | 82 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | The Lizard ... | 240 | 1022·0 | 0 | NE | 3 | c | 47 | 75 | 8 | 5 | - | - | 7·8 | 7·8 | 2500 |
| | Scilly (St. Mary's) | 163 | 1022·6 | -4 | NE'E | 4 | c | 48 | 85 | 8 | 5 | - | - | 10 | 10 | 2500 |
| | Guernsey .. | 175 | 1021·0 | +2 | NE'E | 2 | c | 47 | 85 | 7 | 8 | - | - | 7·8 | 7·8 | 2500 |
| 6 | Pembroke ... | 142 | 1023·3 | -2 | NE | 2 | c | 47 | 85 | 8 | 5 | - | - | 7·8 | 7·8 | 4000 |
| 7 | Holyhead ... | 26 | [illegible] | -4 | N'W | 4 | c | 48 | 85 | 7 | 6 | 2 | - | 4·6 | 10 | 4000 |
| | Chester (Sealand) | 16 | [illegible] | [illegible] | * | * | * | * | * | * | * | * | * | * | * | * |
| 8 | Manchester ... | 70 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 10 | Spurn Head ... | 29 | 1023·3 | 0 | N | 2 | bc | 43 | 85 | 8 | 5 | - | - | 2·3 | 2·3 | 2500 |
| | Catterick ... | 175 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Tynemouth ... | 108 | 1023·1 | -6 | SW | 1 | 0 | 46 | 65 | 6 | 5 | - | - | 10 | 10 | 800 |
| 11 | St. Abbs Head .. | 280 | 1022·9 | -2 | NW | 2 | c | 47 | 65 | 8 | 5 | 2 | - | 7·8 | 10 | 2500 |
| | Leuchars ... | 36 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 12 | Renfrew (Abbots L.) | 19 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Eskdalemuir ... | 794 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Point of Ayre... | 30 | 1023·9 | -2 | NNE | 3 | bc | 47 | 85 | 8 | 4 | - | - | 2·3 | 2·3 | 2500 |
| 13A | Tiree ... | 22 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 13B | Stornoway ... | 80 | 1023·5 | -2 | WNW | 3 | c | 47 | 92 | 7 | 5 | 7 | - | 7·8 | 9+ | 2500 |
| 15 | Dalwhinnie ... | 1176 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Aberdeen ... | 79 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Wick ... | 81 | 1022·4 | +4 | NW | 3 | c | 46 | 97 | 8 | 5 | 7 | - | 4·6 | 7·8 | 1500 |
| 16 | Lerwick ... | 156 | 1020·6 | +6 | W | 3 | c | 46 | 92 | 8 | 8 | 7 | - | 7·8 | 9 | 1500 |
| 17 | Blacksod Point | 18 | 1027·0 | -6 | N | 4 | c | 49 | 85 | 7 | - | 2 | - | 0 | 10 | - |
| 18 | Malin Head ... | 84 | 1026·1 | -2 | NW | 2 | bc | 47 | 92 | 7 | 8 | 3 | - | 2·3 | 4·6 | 4000 |
| | Aldergrove ... | 268 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 19 | Birr Castle ... | 173 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 20 | Valentia Obsy. † | 30 | 1026·4 | -6 | - | 0 | b | 46 | 97 | 8 | - | - | - | 0 | 0 | - |
| | Roches Point | 22 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |

### OBSERVATIONS at 7 hr. G.M.T. April 26th

| Stations | Barom. at M.S.L. mb. (15) | Change in 3 hours (16) | Wind Direc. (17) | Wind Force 0–12 (18) | Weather (19) | Temp. °F. (20) | Humid. % (21) | Visibility 0–9 (22) | Cloud Form Low (23) | Cloud Form Med. (24) | Cloud Form High (25) | Cloud Amount Low 0–10 (26) | Cloud Amount Total 0–10 (27) | Height of Base (feet) (28) | State of Ground 0–9 (29) | Sea 0–9 (30) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| London (Kew) | 1022·4 | +2 | NNE | 2 | z | 40 | 85 | 5 | 5 | - | - | 9 | 9 | 2500 | 1 | * |
| Croydon ... | 1022·3 | +2 | N'E | 2 | z | 42 | 85 | 6 | 5 | 3 | - | 4·6 | 9+ | 2500 | 0 | * |
| S. Farnborough | 1022·5 | +4 | - | 0 | z | 36 | 97 | 6 | 5 | - | - | Tr | Tr | 4000 | 0 | * |
| Boscombe Down | 1022·8 | 0 | NE | 1 | z | 37 | 92 | 6 | - | 3 | - | 0 | 7·8 | - | 0 | * |
| Calshot (Sthmtn.) | 1022·2 | +4 | N | 3 | c/pr | 42 | 85 | 7 | 1 | 4 | - | Tr | 1 | 2500 | 0 | 1 |
| Lympne ... | 1021·3 | +2 | N'E | 3 | c/pr | 43 | 92 | 7 | 9 | 3 | - | 7·8 | 9+ | 2500 | 0 | 2 |
| Manston ... | 1021·0 | +2 | NE'N | 4 | bc | 45 | 85 | 7 | 5 | 7 | - | 2·3 | 4·6 | 1500 | 1 | * |
| Shoeburyness... | 1021·7 | +2 | NNE | 2 | c/r | 45 | 85 | 7 | 5 | - | - | 9+ | 9+ | 2500 | 1 | * |
| Felixstowe ... | 1021·4 | +4 | N'E | 2 | id | 44 | 85 | 7 | 5 | - | - | 9+ | 9+ | 4000 | 0 | 1 |
| Gorleston ... | 1021·6 | +6 | N | 4 | c | 46 | 75 | 7 | 8 | - | - | 7·8 | 7·8 | 2500 | 0 | 2 |
| Mildenhall ... | 1022·5 | +2 | NNW | 1 | z | 34 | 97 | 6 | 8 | - | - | 2·3 | 2·3 | 4000 | 1 | * |
| Cranwell ... | 1023·3 | +6 | N'W | 2 | c | 44 | 75 | 6 | 8 | 4 | - | 9 | 9+ | 7200 | 0 | * |
| Birmingham ... | 1023·4 | +4 | ENE | 2 | m | 43 | 75 | 4 | 5 | - | - | 10 | 10 | 2500 | 0 | * |
| Upper Heyford | 1023·0 | -4 | N | 1 | z | 40 | 92 | 6 | 5 | 5 | - | 2·3 | 9 | 2500 | 0 | * |
| Ross-on-Wye | 1022·9 | -4 | ENE | 1 | z | 44 | 75 | 6 | 5 | - | - | 10 | 10 | 2500 | 0 | * |
| Bristol ... | 1023·0 | +4 | NE | 1 | z | 42 | 85 | 6 | 5 | 7 | - | 7·8 | 9+ | 5700 | 0 | * |
| Portland Bill ... | 1021·7 | -6 | NE | 3 | bc | 44 | 85 | 8 | 1 | - | - | 4·6 | 4·6 | 2500 | 1 | 2 |
| Plymouth ... | 1022·0 | +2 | NE | 2 | c | 46 | 65 | 8 | - | 7 | - | 0 | 9+ | - | 0 | 1 |
| The Lizard ... | 1021·8 | 0 | NE'E | 3 | c | 47 | 75 | 8 | 5 | 2 | - | 9 | 10 | 2500 | 0 | 2 |
| Scilly (St. Mary's) | 1021·6 | 0 | E'N | 4 | c | 48 | 75 | 7 | 5 | 3 | - | 4·6 | 9+ | 2500 | 0 | 2 |
| Guernsey .. | 1021·0 | +2 | NNE | 3 | c/pr | 46 | 92 | 6 | 8 | - | - | 10 | 10 | 2500 | 1 | 2 |
| Pembroke ... | 1023·3 | -4 | NNE | 3 | c | 48 | 85 | 8 | 5 | 1 | - | 7·8 | 9+ | 2500 | 0 | 1 |
| Holyhead ... | 1023·2 | +2 | N'E | 3 | c | 48 | 85 | 8 | 5 | 3 | - | 4·6 | 9 | 4000 | 0 | 2 |
| Chester (Sealand) | 1023·3 | +4 | - | 0 | z | 46 | 92 | 6 | 5 | - | - | 9+ | 9+ | 4000 | 0 | * |
| Manchester ... | 1023·1 | +8 | - | 0 | cf | 46 | 75 | 3 | 5 | 3 | - | 4·6 | 9 | 4000 | 0 | * |
| Spurn Head ... | 1023·3 | +4 | NE | 2 | bc | 47 | 75 | 7 | 8 | 3 | - | 4·6 | 4·6 | 1500 | 0 | 1 |
| Catterick ... | 1023·5 | +6 | - | 0 | z | 44 | 75 | 6 | 5 | - | - | 9+ | 9+ | 7200 | 0 | * |
| Tynemouth ... | 1024·0 | +8 | NW | 1 | c | 46 | 75 | 6 | 9 | - | - | 7·8 | 7·8 | 800 | 0 | 1 |
| St. Abbs Head .. | 1023·7 | +6 | WNW | 1 | c | 46 | 92 | 8 | 8 | 5 | 1 | 4·6 | 7·8 | 2500 | 1 | 1 |
| Leuchars ... | 1024·2 | +10 | NW | 1 | c/pr | 48 | 75 | 9 | 8 | - | - | 9+ | 9+ | 4000 | 0 | * |
| Renfrew (Abbots L.) | 1024·4 | +6 | - | 0 | z | 45 | 92 | 6 | 5 | - | - | 10 | 10 | 5700 | 0 | * |
| Eskdalemuir ... | 1024·0 | +4 | NE'N | 2 | c/r | 45 | 92 | 7 | 5 | - | - | 9 | 9 | 1500 | 1 | * |
| Point of Ayre... | 1023·4 | 0 | NE'N | 1 | c | 46 | 85 | 8 | - | 7 | - | 0 | 7·8 | - | 0 | 1 |
| Tiree ... | 1024·9 | +6 | NNW | 2 | c | 49 | 85 | 8 | 5 | 3 | - | Tr | 9+ | 2500 | 0 | 2 |
| Stornoway ... | 1023·8 | +8 | WSW | 2 | c | 48 | 92 | 7 | 8 | 7 | - | 9 | 9+ | 4000 | 1 | 1 |
| Dalwhinnie ... | * | +6 | - | 0 | c | 44 | 92 | 8 | 5 | 6 | - | 7·8 | 10 | 4000 | 0 | * |
| Aberdeen ... | 1023·8 | +14 | NW'N | 3 | bc/pr | 47 | 92 | 8 | 4 | - | - | 4·6 | 4·6 | 2500 | 1 | 1 |
| Wick ... | 1023·5 | +12 | NW | 2 | c/d | 46 | 97 | 7 | 5 | 2 | - | 7·8 | 10 | 1500 | 1 | 1 |
| Lerwick ... | 1021·8 | +10 | W | 2 | c | 46 | 92 | 8 | 8 | 7 | - | 7·8 | 9+ | 1500 | 1 | * |
| Blacksod Point | 1026·1 | +2 | NE | 4 | c | 49 | 85 | 8 | 5 | - | - | 10 | 10 | 2500 | 0 | 3 |
| Malin Head ... | 1025·5 | +2 | N | 1 | c | 49 | 75 | 7 | 8 | - | - | 9 | 9 | 2500 | 0 | 1 |
| Aldergrove ... | 1024·6 | +2 | NNE | 2 | c | 48 | 85 | 8 | 5 | - | - | 9 | 9 | 1500 | 0 | * |
| Birr Castle ... | 1025·1 | -2 | S | 1 | c | 41 | 97 | 8 | 5 | - | - | 10 | 10 | 1500 | 0 | * |
| Valentia Obsy. † | 1024·8 | -2 | NE | 4 | c | 47 | 75 | 8 | 1 | - | 2 | 1 | 7·8 | 2500 | 0 | 1 |
| Roches Point | 1024·3 | * | N | 3 | bc | 45 | 85 | 8 | 5 | - | 5 | 1 | 4·6 | 2500 | 0 | 1 |

### PAST 24 HOURS.

| Stations | Temperature Max. Day 7h–18h °F. (31) | Temperature Min. Night 18h–7h °F (32) | Temperature Min. on Grass °F. (33) | Rainfall Day 7h–18h mm. (34) | Rainfall Night 18h–7h mm. (35) | Sunshine 24th Hrs. (36) |
|---|---|---|---|---|---|---|
| London (Kew) | 54 | 36 | 26 | Tr | Tr | 0·8 |
| Croydon ... | 53 | 40 | 36 | 1 | Tr | 0·4 |
| S. Farnborough | 53 | 28 | 20 | Tr | Tr | 0·6 |
| Boscombe Down | 54 | 31 | 25 | Tr | - | 0·4 |
| Calshot (Sthmtn.) | 55 | 38 | 36 | Tr | - | 0·8 |
| Lympne ... | 54 | 40 | 37 | Tr | Tr | 2·0 |
| Manston ... | 53 | 41 | 41 | Tr | 0·4 | 3·0 |
| Shoeburyness... | 55 | 39 | 32 | 0·3 | Tr | 1·4 |
| Felixstowe ... | 55 | 41 | 39 | Tr | Tr | 1·5 |
| Gorleston ... | 53 | 44 | 43 | - | Tr | 2·3 |
| Mildenhall ... | 52 | 27 | 22 | 1 | Tr | 0·3 |
| Cranwell ... | 53 | 39 | 33 | - | - | 2·8 |
| Birmingham ... | 53 | 42 | 39 | - | - | 1·8 |
| Upper Heyford | 54 | 35 | 25 | Tr | - | * |
| Ross-on-Wye | 56 | 42 | 39 | - | - | 2·3 |
| Bristol ... | 54 | 40 | 36 | - | - | 1·1 |
| Portland Bill ... | 55 | 41 | * | - | - | * |
| Plymouth ... | 55 | 46 | 43 | Tr | - | 0·6 |
| The Lizard ... | 54 | 45 | * | Tr | - | 3·6 |
| Scilly (St. Mary's) | 53 | 47 | * | - | - | 6·9 |
| Guernsey .. | 54 | 46 | 41 | - | Tr | 6·5 |
| Pembroke ... | 54 | 45 | * | - | - | 3·4 |
| Holyhead ... | 52 | 46 | 42 | - | - | 8·3 |
| Chester (Sealand) | 54 | 43 | 40 | - | Tr | 2·9 |
| Manchester ... | 54 | 42 | 39 | - | Tr | 3·2 |
| Spurn Head ... | 48 | 42 | * | - | - | 2·2 |
| Catterick ... | 50 | 41 | 39 | Tr | - | 1·1 |
| Tynemouth ... | 48 | 44 | 37 | Tr | - | 2·9 |
| St. Abbs Head .. | 49 | 46 | * | - | 2 | * |
| Leuchars ... | 53 | 45 | 42 | Tr | Tr | 0·7 |
| Renfrew (Abbots L.) | 54 | 38 | 34 | - | - | 1·9 |
| Eskdalemuir ... | 55 | 34 | 28 | - | 0·1 | 4·9 |
| Point of Ayre... | 57 | 44 | * | - | - | 6·4 |
| Tiree ... | 53 | 47 | 45 | Tr | 0·3 | 0·5 |
| Stornoway ... | 52 | 46 | * | 0·1 | Tr | 1·4 |
| Dalwhinnie ... | 48 | 40 | 36 | - | Tr | 0·6 |
| Aberdeen ... | 52 | 44 | 42 | 0·4 | 0·2 | 0·4 |
| Wick ... | 49 | 44 | * | 2 | 3 | * |
| Lerwick ... | 48 | 42 | * | Tr | Tr | 0·2 |
| Blacksod Point | 55 | 47 | * | - | - | * |
| Malin Head ... | 54 | 47 | * | - | 0·3 | 3·5 |
| Aldergrove ... | 55 | 46 | 43 | - | - | 2·9 |
| Birr Castle ... | 57 | 36 | * | - | - | 6·1 |
| Valentia Obsy. † | 56 | 41 | 32 | - | - | 8·5 |
| Roches Point | 57 | 43 | * | - | - | * |

### LONDON OBSERVATIONS

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations except for rainfall which is 9h—18h.

| | Height above M.S.L. in feet | Weather Morning (24 hrs. ended 9h.) | Weather Afternoon (24 hrs. ended 9h.) | Weather Night (24 hrs. ended 9h.) | Temperature Day Max. °F. | Temperature Night Min. °F. | Temperature Min. on Grass °F. | Rainfall Day mm. | Rainfall Night mm. | Sunshine to Sunset hrs. (Yesterday) | Humidity 15h. G.M.T. % (Yesterday) | Humidity 9h. G.M.T. % (To-day) | Visibility 9h. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kew... | 18 | cirz | czrr | crbcrm | 54 | 36 | 26 | Tr | Tr | 0·8 | * | * | 5 |
| Croydon ... | 217 | cPRm | czprq | ircmm | 53 | 40 | 36 | 1 | Tr | 0·4 | * | * | 5 |
| Greenwich (Royal Observatory)... | 149 | cr r | c | cbc | 53 | 39 | 31 | 0·3 | - | 0·4 | 70 | 70 | 6 |
| City (Bunhill Row) ... | — | * | * | * | * | * | * | * | * | 1·0 | * | * | * |
| Westminster (St. James' Park) ... | 27 | * | * | * | 56 | 41 | 36 | - | - | 0·8 | 61 | 74 | * |
| Regents Pk. (Botanic Gardens)‡... | 168 | * | * | * | 55 | 38 | 31 | - | 0·2 | 0·5 | 68 | 76 | * |
| Camden Square ... | 110 | c | ccr | * | 56 | 38 | 31 | 0·3 | Tr | * | * | 70 | * |
| Kensington ... | 80 | bc | bcx | * | 55 | 40 | 32 | Tr | 0·1 | 0·8 | 73 At 18h. | 77 | * |
| Hampstead Observatory ... | 450 | obc | or | bcb | 52 | 36 | 31 | 1 | Tr | 0·5 | * | 81 | * |

### Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. 26th

| South Kensington. Max. | Time. | Min. | Time. | Kew Observatory. Max. | Time. | Min. | Time. |
|---|---|---|---|---|---|---|---|
| 0·3 | 18–19h 25th | <0·3 | 2–4h 26th | 0·3 | 17h 25th | <0·1 | 3h 26th |

### FOREIGN OBSERVATIONS.

| Stations | 18h. G.M.T. April 25th Barom. mb. | Wind Direc. | Wind Force | Weather | Temp. °F. | 7h. G.M.T. April 26th Barom. mb. | Wind Direc. | Wind Force | Weather | Temp. °F. | Past 24 Hours Max. Day °F. | Min. Night °F. | Rainfall Day mm. | Rainfall Night mm. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Paris ... | 1018·6 | N | 3 | bc | 48 | 1018·7 | N | 2 | z | 43 | 52 | 41 | 1 | - |
| Brussels ... | | | | | | 1019·5 | NE | 2 | c | 41 | | 37 | - | - |
| Berlin ... | 1017·7 | NNE | 3 | dd | 45 | | | | | | 50 | | Tr | |
| Zürich ... | 1015·5 | NNE | 2 | c/pr | 41 | 1015·8 | NE | 2 | bc | 34 | 50 | 32 | 2 | 0·1 |
| Rome ... | 1011·1 | SW | 2 | bc | 56 | | | | | | * | * | - | |

## EXPLANATION OF FIGURES, LETTERS, etc.

**COLUMNS 2, 16.**
The barometric tendency is expressed in tenths of a millibar.

**COLUMNS 4, 18.**
The Beaufort Scale of Wind is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers is the speed at about 30 feet above the ground.

| Beaufort No | Statute m/h. | Beaufort No. | Statute m/h. | Beaufort No. | Statute m/h. |
|---|---|---|---|---|---|
| 0 | <1 | 4 | 13–18 | 9 | 47–54 |
| 1 | 1–3 | 5 | 19–24 | 10 | 55–63 |
| 2 | 4–7 | 6 | 25–31 | 11 | 64–75 |
| 3 | 8–12 | 7 | 32–38 | 12 | > 75 |
| | | 8 | 39–46 | | |

**COLUMNS 34, 35.**
Tr. = rain has fallen, but amount less than 0·1 mm.

**COLUMNS 8, 22 — Code for surface visibility.**

| | | Objects not visible at |
|---|---|---|
| 0 | Dense fog | 55 yards. |
| 1 | Thick fog | 220 ,, |
| 2 | Fog | 550 ,, |
| 3 | Moderate fog | 1,100 ,, |
| 4 | Mist or haze | 1½ miles. |
| 5 | Poor visibility | 2½ ,, |
| 6 | Moderate ,, | 6½ ,, |
| 7 | Good ,, | 12½ ,, |
| 8 | Very good ,, | 31 ,, |
| 9 | Excellent ,, | beyond 31m. |

**COLUMN 30.—Code for State of Sea.**

| | | | |
|---|---|---|---|
| 0 | Calm. | 5 | Very rough. |
| 1 | Smooth. | 6 | High. |
| 2 | Slight. | 7 | Very high |
| 3 | Moderate. | 8 | Precipitous. |
| 4 | Rough. | 9 | Confused. |

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METEOROLOGICAL OFFICE. AIR MINISTRY, ADASTRAL HOUSE, KINGSWAY, LONDON, W.C.2.

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S., Director.

† 1 hr. observations are from Valentia W/T Station. ‡ Maximum and Minimum Temperatures are for the 24 hours ending 8 h. ¶ Sea disturbance reported from Dungeness.

AIR MINISTRY.

# THE DAILY WEATHER REPORT

## OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Wednesday, 27th April, 1938.
No. 27915.

### OBSERVATIONS at 13h. G.M.T. April 26th

| District | Stations (For heights see p. 4.) | Barom. at M.S.L. mb. (1) | Change in 3 hours. (2) | Wind. Direc. (3) | Wind. Force 0–12 (4) | Weather. (5) | °Temp. (6) | % Humid. (7) | Visibility 0–9 (8) | Cloud. Form. Low (9) | Form. Med. (10) | Form. High (11) | Amount. Low 0–10 (12) | Amount. Total 0–10 (13) | Height of Base (feet) (14) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | London (Kew) | 1021·3 | −4 | ENE | 3 | z | 49 | 65 | 5 | 5 | - | - | 9+ | 9+ | 1500 |
| | Croydon ... | 1021·3 | −6 | NE'E | 2 | pr | 48 | 75 | 6 | 9 | 6 | 3 | 7·8 | 9+ | 2500 |
| | S. Farnborough | 1020·9 | −10 | E'N | 3 | c | 50 | 55 | 7 | 5 | - | - | 9+ | 9+ | 2500 |
| | Boscombe Down | 1021·0 | −10 | NEE | 3 | c | 51 | 45 | 8 | 8 | 3 | - | 7·8 | 7·8 | 2500 |
| | Calshot (Sthmtn.) | 1020·8 | −6 | NE | 4 | c | 52 | 55 | 7 | 8 | 2 | - | 9 | 10 | 2500 |
| | Lympne ... | 1020·8 | −6 | NNE | 4 | bc | 50 | 75 | 8 | 2 | - | - | 4·6 | 4·6 | 2500 |
| | Manston ... | 1021·1 | 0 | NEE | 4 | bc | 49 | 75 | 8 | 4 | - | - | 4·6 | 4·6 | 1500 |
| 2 | Shoeburyness ... | 1021·4 | −2 | NE | 4 | bc | 51 | 65 | 8 | 1 | - | - | 2·3 | 2·3 | 2500 |
| | Felixstowe ... | 1021·7 | −2 | NEE | 4 | bc | 51 | 65 | 8 | 7 | - | - | 2·3 | 2·3 | 2500 |
| | Gorleston ... | 1022·4 | +4 | NE'N | 4 | bc | 50 | 85 | 6 | 2 | - | - | 4·6 | 4·6 | 2500 |
| | Mildenhall ... | 1021·7 | −6 | NNE | 2 | c/pr | 50 | 75 | 8 | 8 | - | 3 | 7·8 | 7·8 | 2500 |
| | Cranwell ... | 1022·8 | −2 | NNE | 4 | c | 53 | 85 | 8 | 8 | - | - | 7·8 | 7·8 | 2500 |
| 3 | Birmingham ... | 1021·5 | −4 | NE | 3 | c | 49 | 85 | 6 | 3 | - | - | 7·8 | 7·8 | 2500 |
| | Upper Heyford | 1022·0 | −8 | NE'N | 3 | c | 52 | 55 | 8 | 7 | - | - | 9+ | 9+ | 4000 |
| 4 | Ross-on-Wye | 1021·9 | −8 | NE'E | 3 | c | 52 | 55 | 7 | 8 | - | - | 9 | 9 | 4000 |
| 5 | Bristol ... | 1021·0 | −20 | ENE | 4 | c | 53 | 55 | 7 | 8 | - | - | 7·8 | 7·8 | 4000 |
| | Portland Bill ... | 1020·5 | −6 | E | 3 | c | 50 | 75 | 8 | 2 | - | - | 9 | 9 | 2500 |
| | Plymouth ... | 1020·6 | −10 | NE | 3 | c | 52 | 55 | 8 | 5 | 7 | - | 9+ | 10 | 4000 |
| | The Lizard ... | 1020·4 | −10 | ENE | 2 | c | 52 | 75 | 7 | 8 | 6 | - | 7·8 | 9+ | 2500 |
| | Scilly (St. Mary's) | 1021·4 | −4 | E'N | 2 | c | 54 | 65 | 8 | 5 | 3 | - | 2·3 | 9 | 2500 |
| | Guernsey ... | 1019·8 | −10 | NE | 5 | bc | 50 | 75 | 7 | 1 | - | - | 2·3 | 2·3 | 2500 |
| 6 | Pembroke ... | 1021·8 | −4 | N | 3 | c | 53 | 75 | 7 | 5 | 1 | - | 7·8 | 9+ | 2500 |
| 7 | Holyhead ... | 1022·4 | −12 | N'E | 4 | bc | 52 | 85 | 7 | 2 | - | - | 2·3 | 2·3 | 2500 |
| | Chester (Sealand) | 1022·6 | −4 | NE'E | 1 | z | 54 | 55 | 5 | 5 | - | - | 10 | 10 | 4000 |
| 8 | Manchester ... | 1022·7 | −2 | ENE | 3 | z | 54 | 45 | 6 | 5 | 3 | - | 7·8 | 10 | 4000 |
| 10 | Spurn Head ... | 1023·8 | +4 | ENE | 3 | bc | 53 | 55 | 7 | 2 | - | - | 4·6 | 4·6 | 4000 |
| | Catterick ... | 1023·2 | 0 | E'N | 2 | ir | 53 | 55 | 6 | 5 | 7 | - | 7·8 | 10 | 4000 |
| | Tynemouth ... | 1024·3 | +4 | N | 2 | c | 48 | 85 | 7 | 8 | - | - | 9+ | 9+ | 1500 |
| 11 | St. Abbs Head . | 1024·8 | 0 | N | 1 | bc | 50 | 85 | 9 | 2 | 7 | 9 | 2·3 | 4·6 | 2500 |
| | Leuchars ... | 1024·7 | +2 | SE | 1 | c/d | 51 | 75 | 8 | 8 | 7 | - | 7·8 | 7·8 | 4000 |
| 12 | Renfrew (Abbotsinch) | 1023·5 | −6 | NE'E | 1 | c | 56 | 55 | 7 | 7 | - | - | 9+ | 9+ | 4000 |
| | Eskdalemuir ... | 1023·1 | 0 | E'N | 3 | c | 53 | 65 | 8 | 8 | - | - | 4·6 | 10 | 2500 |
| | Point of Ayre... | 1023·5 | −2 | N'E | 2 | bc | 53 | 85 | 8 | 1 | 8 | - | Tr | 4·6 | 4000 |
| 13A | Tiree ... ... | 1024·6 | 0 | NW'N | 2 | c | 52 | 85 | 8 | 5 | 3 | - | 7·8 | 9+ | 4000 |
| 13B | Stornoway ... | 1023·8 | −4 | SSE | 2 | c | 50 | 85 | 7 | 5 | 2 | - | 7·8 | 10 | 1500 |
| 15 | Dalwhinnie ... | 1024·4 | −2 | N | 3 | ir | 49 | 85 | 8 | 5 | 2 | - | 4·6 | 10 | 4000 |
| | Aberdeen ... | 1024·7 | +6 | - | 0 | c/pr | 49 | 85 | 7 | 8 | - | - | 9+ | 9+ | 2500 |
| | Wick ... | 1024·1 | +4 | S | 1 | c | 49 | 92 | 7 | 5 | 7 | - | 7·8 | 9+ | 1500 |
| 16 | Lerwick ... | 1022·8 | 0 | W | 3 | c | 50 | 85 | 8 | 8 | 7 | - | 7·8 | 9+ | 800 |
| 17 | Blacksod Point | 1024·6 | −10 | NE | 4 | bc | 55 | 75 | 9 | 1 | - | 3 | 2·3 | 4·6 | 4000 |
| 18 | Malin Head ... | 1025·2 | −2 | NNE | 2 | c | 52 | 85 | 8 | 8 | 3 | 3 | 4·6 | 9 | 2500 |
| | Aldergrove ... | 1023·7 | −6 | E'N | 2 | c | 56 | 55 | 9 | 8 | - | - | 9 | 9 | 2500 |
| 19 | Birr Castle ... | 1023·9 | −8 | NNE | 1 | c | 52 | 75 | 8 | 8 | 2 | - | 7·8 | 10 | 1500 |
| 20 | Valentia Obsy. † | 1023·2 | −14 | N'E | 4 | bc | 55 | 55 | 8 | 7 | - | 1 | 1 | 2·3 | 4000 |
| | Roches Point | 1022·9 | * | SE | 3 | c | 52 | 75 | 8 | 5 | - | - | 9+ | 9+ | 2500 |

### OBSERVATIONS at 18h. G.M.T. April 26th

| District | Stations | Barom. at M.S.L. mb. (15) | Change in 3 hours. (16) | Wind. Direc. (17) | Wind. Force 0–12 (18) | Weather. (19) | °Temp. (20) | % Humid. (21) | Visibility 0–9 (22) | Cloud. Form. Low (23) | Form. Med. (24) | Form. High (25) | Amount. Low 0–10 (26) | Amount. Total 0–10 (27) | Height of Base (feet) (28) | State of Ground 0–9 (29) | Sea. 0–9 (30) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | London (Kew) | 1019·7 | −6 | ENE | 4 | z | 50 | 69 | 5 | 5 | - | - | 9+ | 9+ | 1500 | 1 | * |
| | Croydon ... | 1020·0 | −6 | NEE | 4 | bc | 47 | 65 | 6 | 2 | - | - | 2·3 | 2·3 | 4000 | 0 | * |
| | S. Farnborough | 1019·2 | −8 | NE'E | 3 | c/pr | 50 | 65 | 7 | 8 | - | - | 9 | 9 | 4000 | 0 | * |
| | Boscombe Down | 1019·5 | −8 | NE | 3 | c | 49 | 55 | 8 | 8 | 3 | - | 7·8 | 7·8 | 2500 | 0 | * |
| | Calshot (Sthmtn.) | 1019·1 | −14 | N | 3 | z | 51 | 65 | 6 | 2 | 3 | - | 2·3 | 4·6 | 4000 | 0 | 2 |
| | Lympne ... | 1019·9 | −10 | NNE | 4 | b | 46 | 75 | 8 | 8 | - | - | 1 | 1 | 2500 | 0 | §3 |
| | Manston ... | 1019·6 | −8 | NE | 4 | bc | 45 | 85 | 7 | 5 | - | - | 4·6 | 4·6 | 800 | 1 | * |
| 2 | Shoeburyness ... | 1020·5 | −2 | NE'N | 4 | bc | 47 | 75 | 7 | 1 | - | - | 4·6 | 4·6 | 1500 | 0 | * |
| | Felixstowe ... | 1020·6 | −8 | NE'N | 4 | b | 49 | 75 | 8 | 1 | - | - | Tr | Tr | 2500 | 0 | 2 |
| | Gorleston ... | 1021·1 | −4 | N'E | 4 | b | 49 | 75 | 7 | - | - | - | 0 | 0 | - | 0 | 3 |
| | Mildenhall ... | 1020·9 | −2 | ENE | 3 | bc | 50 | 65 | 8 | 8 | - | - | 2·3 | 2·3 | 2500 | 1 | * |
| | Cranwell ... | 1022·0 | −2 | ENE | 3 | b | 48 | 65 | 8 | 8 | - | - | 1 | 1 | 2500 | 0 | * |
| 3 | Birmingham ... | 1020·3 | −8 | E | 3 | bc | 50 | 45 | 7 | - | 3 | - | 0 | 4·6 | - | 0 | * |
| | Upper Heyford | 1020·8 | −6 | NE | 3 | c | 48 | 75 | 8 | 5 | - | - | 9+ | 9+ | 5700 | 0 | * |
| 4 | Ross-on-Wye | 1020·1 | −4 | ENE | 3 | bc | 52 | 45 | 8 | 7 | - | - | 4·6 | 4·6 | 4000 | 0 | * |
| 5 | Bristol ... | 1020·1 | −6 | E'N | 3 | c | 51 | 55 | 7 | 7 | - | - | 9 | 9 | 4000 | 0 | * |
| | Portland Bill ... | 1018·8 | −8 | E | 3 | o | 49 | 85 | 7 | 5 | - | - | 10 | 10 | 2500 | 0 | 2 |
| | Plymouth ... | 1018·9 | −8 | E'N | 2 | bc | 52 | 45 | 8 | 5 | 3 | - | 4·6 | 4·6 | 5700 | 0 | 1 |
| | The Lizard ... | 1018·7 | −10 | E | 2 | c | 49 | 65 | 8 | 8 | 6 | - | 7·8 | 9+ | 2500 | 0 | 2 |
| | Scilly (St. Mary's) | 1019·1 | −8 | NE'N | 4 | c | 51 | 85 | 7 | 5 | 3 | - | 7·8 | 10 | 2500 | 0 | 2 |
| | Guernsey ... | 1018·5 | −8 | NE | 5 | b | 48 | 85 | 8 | 1 | 1 | - | Tr | 1 | 2500 | 0 | 3 |
| 6 | Pembroke ... | 1020·2 | −4 | NNE | 3 | c | 51 | 85 | 7 | 5 | 2 | - | 7·8 | 10 | 2500 | 0 | 1 |
| 7 | Holyhead ... | 1021·1 | −8 | NE'N | 4 | c | 51 | 75 | 7 | 5 | - | - | 9+ | 9+ | 5700 | 0 | 2 |
| | Chester (Sealand) | 1021·6 | −6 | E | 1 | z | 54 | 55 | 6 | 5 | - | - | 9 | 9 | 4000 | 0 | * |
| 8 | Manchester ... | 1021·8 | −4 | E'N | 3 | z | 52 | 55 | 6 | 5 | 4 | - | 7·8 | 7·8 | 4000 | 0 | * |
| 10 | Spurn Head ... | 1023·2 | −4 | NE'N | 2 | bc | 47 | 75 | 7 | 5 | 4 | - | 2·3 | 4·6 | 4000 | 0 | 1 |
| | Catterick ... | 1022·3 | −8 | NE'E | 2 | z | 52 | 65 | 6 | 4 | 3 | - | 4·6 | 7·8 | 4000 | 0 | * |
| | Tynemouth ... | 1023·4 | +4 | ESE | 2 | bc | 48 | 85 | 7 | 2 | - | - | 4·6 | 4·6 | 1500 | 0 | 1 |
| 11 | St. Abbs Head . | 1023·7 | −4 | NNE | 1 | bc | 47 | 92 | 7 | 2 | 6 | 9 | 2·3 | 4·6 | 2500 | 0 | 0 |
| | Leuchars ... | 1023·9 | −4 | E | 1 | c | 49 | 85 | 8 | 5 | - | - | 9+ | 9+ | 4000 | 0 | * |
| 12 | Renfrew (Abbotsinch) | 1022·4 | −4 | ENE | 3 | z | 55 | 65 | 6 | 5 | 2 | - | 9 | 10 | 5700 | 0 | * |
| | Eskdalemuir ... | 1022·1 | −4 | ENE | 3 | bc | 52 | 55 | 9 | 7 | - | - | 2·3 | 2·3 | 2500 | 0 | * |
| | Point of Ayre... | 1022·3 | −8 | N'E | 3 | c | 52 | 85 | 8 | 1 | 8 | - | Tr | 7·8 | 4000 | 0 | 2 |
| 13A | Tiree ... ... | 1023·1 | −8 | NW'N | 1 | c | 51 | 85 | 7 | 5 | 3 | - | Tr | 9 | 2500 | 0 | 1 |
| 13B | Stornoway ... | 1022·9 | −10 | S | 3 | c/pr | 49 | 92 | 7 | 5 | 2 | - | 7·8 | 10 | 1500 | 1 | * |
| 15 | Dalwhinnie ... | 1023·6 | −6 | - | 0 | rr | 49 | 85 | 7 | 5 | - | - | 10 | 10 | 2500 | 1 | * |
| | Aberdeen ... | 1023·8 | −6 | ESE | 2 | c | 47 | 85 | 6 | 5 | - | - | 9+ | 9+ | 2500 | 0 | 0 |
| | Wick ... | 1023·5 | −6 | S | 2 | c | 48 | 85 | 7 | 5 | 1 | - | 9 | 10 | 1600 | 1 | 1 |
| 16 | Lerwick ... | 1022·5 | −2 | W | 4 | c | 48 | 85 | 8 | 8 | 7 | - | 7·8 | 9+ | 1500 | 0 | * |
| 17 | Blacksod Point | 1022·6 | −10 | NE | 5 | bc | 53 | 85 | 9 | 4 | - | - | 4·6 | 4·6 | 4000 | 0 | 4 |
| 18 | Malin Head ... | 1023·6 | −12 | NNE | 1 | bc | 50 | 97 | 7 | 8 | 4 | 3 | 2·3 | 2·3 | 1500 | 0 | 2 |
| | Aldergrove ... | 1022·3 | −6 | ENE | 3 | c | 53 | 65 | 8 | 5 | - | - | 9+ | 9+ | 7200 | 0 | * |
| 19 | Birr Castle ... | 1021·7 | −10 | N | 1 | c | 53 | 85 | 8 | 5 | - | - | 10 | 10 | 1500 | 0 | * |
| 20 | Valentia Obsy. † | 1021·4 | −2 | SSE | 3 | c | 54 | 65 | 8 | 5 | - | - | 9 | 9 | 2500 | 0 | 1 |
| | Roches Point | 1021·2 | * | SE | 1 | c | 51 | 85 | 8 | 8 | 1 | - | 7·8 | 10 | 2500 | 0 | 1 |

### PAST 24 HOURS.

| District | Stations | Weather. 7h.–13h. 26th. (37) | Weather. 13h.–18h. 26th. (38) | Weather. 18h. 26th to 1h. 27th. (39) | Weather. 1h.–7h. 27th. (40) |
|---|---|---|---|---|---|
| 1 | London (Kew) | cm.cz. | cz.gcz. | czbm.w | bm.wom |
| | Croydon ... | cz.ir. | pr.bcy | bczbm. | om.m |
| | S. Farnborough | bm.cy | ycbcz. | c.bm. | bm.wc |
| | Boscombe Down | cm.bcy | cy | cyb | bbcocm. |
| | Calshot (Sthmtn.) | bm.bcy | cybczy | bczbw | bm.w |
| | Lympne ... | cpr.bc | bcb | bbwm. | bwbfn |
| | Manston ... | prcbc | cb.c | wcbc | bwm. |
| 2 | Shoeburyness ... | p.cbc | bcb | bcb | bmcm. |
| | Felixstowe ... | d.r.r.bc | bcb | bwm. | obwm. |
| | Gorleston ... | cprbc | bcb | bq | bbcfc |
| | Mildenhall ... | bccd.pr | cprcprbc | bcbffx | b.cffxm |
| | Cranwell ... | cbc | cy | bbm.w | bmwcm. |
| 3 | Birmingham ... | cbcc | cbc | b.c | bcam |
| | Upper Heyford | c | cyc | cbam. | cfm |
| 4 | Ross-on-Wye | oz.cy | cybcycy | bcyb | bwcom. |
| 5 | Bristol ... | c | cbccy | cym.c | cbccxf |
| | Portland Bill ... | c | co | bcb | bbc |
| | Plymouth ... | ccy | cbcy | bccbcy | b |
| | The Lizard ... | c | c | cbcb | bbcw |
| | Scilly (St. Mary's) | c | c | cbcw | cbcb |
| | Guernsey ... | cqpr | bcb | bcb | bbcc |
| 6 | Pembroke ... | c | c | bc | bc |
| 7 | Holyhead ... | cb | b.c | cb.c | c.bcwc |
| | Chester (Sealand) | cm.zy | cz.y | cz.yb | bcbmwx |
| 8 | Manchester ... | cfz.y | cz.y | cz.ybz. | bz.ffx |
| 10 | Spurn Head ... | c | cbc | bcc | c |
| | Catterick ... | id.ir.m. | ir.yczc | cz.bc | bcx |
| | Tynemouth ... | cp.c | cbc | bcc | cbc |
| 11 | St. Abbs Head . | cbc | bc | bcb | bwbc |
| | Leuchars ... | cpr.d.d | c | cbc | bccm.r. |
| 12 | Renfrew (Abbotsinch) | cz.y | ccz. | cz. | cm. |
| | Eskdalemuir ... | cpr bc | pr.bcy | bcyb | bxb |
| | Point of Ayre... | cbc | bcc | cbccw | cir.c |
| 13A | Tiree ... ... | c | c | cbw | b.cw |
| 13B | Stornoway ... | c | cir. | cd. | c |
| 15 | Dalwhinnie ... | cir | crr | . | irc |
| | Aberdeen ... | vcpr | cvcz. | vcd.z. | cz.r. |
| | Wick ... | c | c | c | c |
| 16 | Lerwick ... | cpr | c | c | c |
| 17 | Blacksod Point | bc | bc | bc | bc |
| 18 | Malin Head ... | c | cbc | bcb | c |
| | Aldergrove ... | c.y | cyc | cb.cw | cwc |
| 19 | Birr Castle ... | cpr.c | c | cb | bbc |
| 20 | Valentia Obsy. † | c bcy | bcyc | c | cbc |
| | Roches Point | bcc | c | cbc | bcc |

## EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

### COLUMNS 5, 19, 37, 38, 39, 40—BEAUFORT NOTATION AND SYMBOLS FOR WEATHER.

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog „ less than 220 yds.
fs, low fog over sea (coast station).
fg, low fog over land (inland station).
m, mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jf, fog at a distance, but not at station.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/s$_o$, slight storm of drifting snow (generally low).
k/S, heavy storm of drifting snow (generally low).
s$_o$/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze: the turbid atmosphere of dry weather.
b(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus R, heavy rain. r$_o$, slight rain. rr, continuous rain.
<, less than (for cloud height).
⊕, Solar halo. ◑ lunar halo. ⚡ gale.
With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions thus:—bc/r, fair weather after rain; —, has decreased; +, has increased.

### COLUMNS 9, 23.—FORM OF LOW CLOUD.

0 No low clouds.
1 Fair weather Cu.
2 Large Cu without anvil.
3 Cb.
4 Sc formed by the spreading out of Cu.
5 Layer of St or Sc.
6 Ragged low clouds of bad weather (or fractonimbus).
7 Fair weather Cu. and Sc.
8 Large-Cu (or Cb) and Sc.
9 Large-Cu (or Cb) and ragged low clouds of bad weather.

### COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4–6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries.
"tr" signifies a small amount of cloud (trace) covering less than 1/20 of the sky.
"9+" signifies an overcast sky with a few small openings.

### COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

0 No medium clouds.
1 Typical As (thin).
2 Typical As (thick) (sun or moon invisible), or Nimbostratus (Ns).
3 Single layer of Ac or high Sc.
4 Ac in isolated patches. Individually decreasing (often lenticular).
5 Ac in bands (increasing).
6 Ac formed from the spreading out of Cu.
7 Ac associated with As or As with parts resembling Ac.
8 Ac Castellatus (or Ac in ragged fragments).
9 Ac in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

### COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

0 No cirriform cloud.
1 Fine Ci not increasing: sparse.
2 Fine Ci not increasing: abundant but not a continuous layer.
3 Anvil Ci (usually dense).
4 Fine Ci increasing: usually in tufts.
5 Ci or Cs increasing: still below 45° altitude: often in polar bands.
6 Ci or Cs increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Cs covering whole sky.
8 Cs not increasing and not covering whole sky.
9 Cc predominating, and a little cirrus.
(Cc may occur with any of the types 1 to 8).

Cloud form abbreviations:—
Cirrus,–Ci: Cirrocumulus,–Cc: Cirrostratus,–Cs: Altocumulus,–Ac: Altostratus,–As: Stratocumulus,–Sc: Stratus,–St: Nimbostratus,–Ns: Cumulus,–Cu: Cumulonimbus,–Cb

### COLUMN 29.—STATE OF GROUND.

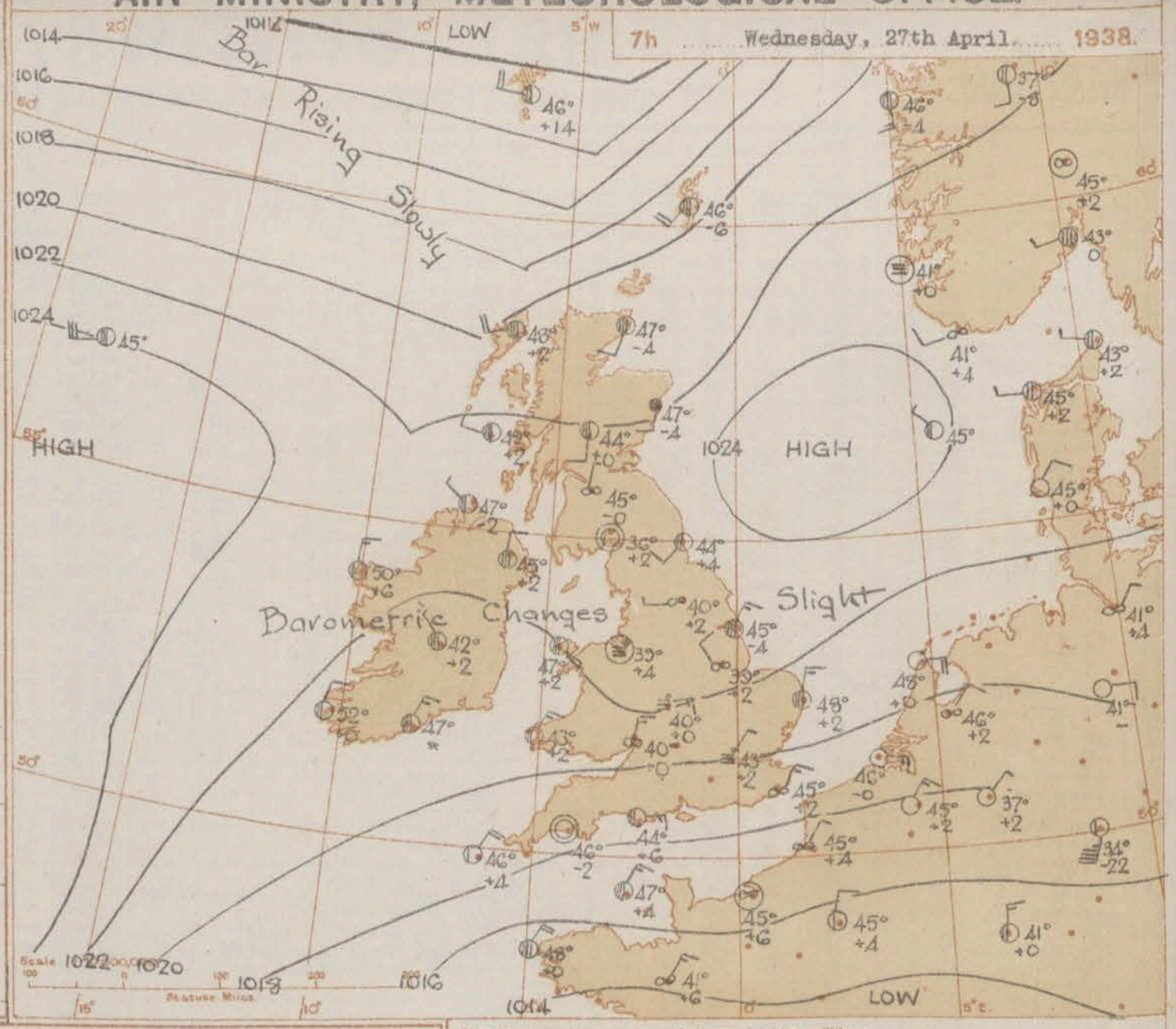
0 .. Ground dry.
1 .. „ wet.
2 .. „ flooded.
3 .. „ frozen hard and dry.
4 .. „ partly covered with snow or hail.
5 .. „ covered with ice or glazed frost.
6 .. Ground covered with thawing snow.
7 .. „ covered with snow, less than 6 ins., deep but ground not frozen.
8 .. „ covered with snow, less than 6 ins., but ground frozen.
9 .. „ covered with snow greater than 6 ins. deep.

NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

§ Sea disturbance reported from Dungeness.

# AIR MINISTRY, METEOROLOGICAL OFFICE.

7h. Wednesday, 27th April 1938.




BAROMETER. Isobars are drawn for intervals of two millibars.
WIND, WEATHER SYMBOLS. For explanation see opposite page.
SEA DISTURBANCE. Rough High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

## REPORTS from HEALTH RESORTS for April 26th 1938.

| Districts | Stations. | Weather. Forenoon. | Weather. Afternoon. | Temperature (°F.) Min. 9h. 25th to 9h. 26th | Temperature (°F.) Max. 9h.—17h. 26th | Rainfall (mm.) Night. 17h. 25th to 9h. 26th | Rainfall (mm.) Day. 9h.—17h. 26th | Sunshine (Hrs.) Sunrise to 17h. 26th | Sunshine (Hrs.) Sunrise to Sunset. 25th |
|---|---|---|---|---|---|---|---|---|---|
| 1 | Tunbridge W. | roc | bcb | 40 | 53 | 0·3 | Trace | 5·0 | 1·5 |
| | Bournemouth | b | c | 36 | 53 | – | – | 5·7 | 3·1 |
| | Ventnor ... | xbc | bob | 39 | 55 | – | – | 6·8 | 1·2 |
| | Southsea ... | bcc | cbbc | 39 | 55 | Trace | – | 6·8 | 1·9 |
| | Bognor Regis | bccir | bccbc | 39 | 54 | Trace | Trace | 2·4 | 0·7 |
| | Littlehampton | c | cbc | 39 | 56 | – | – | 3·1 | 1·2 |
| | Worthing ... | c | bcb | 40 | 54 | – | – | 3·7 | 1·6 |
| | Brighton ... | cbcb | cbcb | 41 | 56 | – | Trace | 4·2 | 1·6 |
| | Eastbourne† ... | corc | cbcb | 42 | 51 | 0·3 | 1 | 5·4 | 1·7 |
| | Hastings† ... | copc | bcb | 40 | 54 | 3 | 1 | 5·3 | 2·2 |
| | Folkestone ... | crbc | bcb | 42 | 52 | 3 | Trace | 8·4 | 2·3 |
| | Dover ... | ybc | bcbbc | 43 | 55 | 1 | – | 8·0 | 3·7 |
| | Deal ... ... | crb | b | 44 | 58 | Trace | – | 9·6 | 3·6 |
| | Ramsgate ... | bc | bc | 46 | 49 | Trace | – | 9·2 | 3·2 |
| | Margate ... | bc | bc | 44 | 48 | 1 | – | 9·0 | 3·2 |
| 2 | Southend ... | oc | cbcb | 41 | 52 | Trace | – | 6·0 | 0·9 |
| | Clacton-on-Sea | cbc | bc | 41 | 50 | 0·5 | – | 6·7 | 2·3 |
| | Dovercourt ... | bcop | b | 42 | 52 | Trace | – | 7·2 | 3·0 |
| | Lowestoft ... | bcprb | b | 43 | 52 | 0·3 | – | 8·7 | 5·9 |
| | Skegness ... | b | bbcc | 35 | 50 | – | – | 3·3 | 0·3 |
| | Mablethorpe... | b | bbcc | 40 | 49 | – | – | 10·3 | 0·4 |
| | Cleethorpes ... | bc | bcc | 41 | 52 | – | – | 10·3 | 2·8 |
| 3 | Leamington S. | c | c | 42 | 55 | – | – | 2·2 | 1·2 |
| 4 | Cheltenham† | opc | cbcc | 41 | 56 | Trace | – | 3·3 | 1·7 |
| 5 | Bath ... ... | cbc | bcc | 40 | 56 | – | – | 4·1 | 0·9 |
| | Weymouth ... | bcb | c | 49 | 53 | – | – | 5·4 | 2·0 |
| | Jersey ... | pcpc | cbc | 45 | 54 | Trace | 0·3 | 3·7 | 4·1 |
| | Torquay ... | c | bcby | 46 | 54 | – | – | 4·1 | 1·9 |
| | Falmouth | c | c | 45 | 54 | – | – | 0·0 | 3·0 |
| | Penzance ... | c | cbcc | 47 | 55 | – | – | 0·4 | 5·5 |
| | St. Ives ... | c | c | 43 | 59 | – | – | 0·9 | 5·0 |
| | Bude... ... | c | c | 46 | 55 | – | – | 0·6 | 4·0 |
| | Ilfracombe ... | bccc | cbccc | 46 | 52 | – | – | 1·8 | 3·2 |
| 6 | Aberystwyth | cbc | bccc | 44 | 52 | – | – | 2·2 | 3·1 |
| 7 | Llandudno ... | cbc | c | 47 | 55 | – | – | 2·0 | 5·4 |
| | Colwyn Bay... | bczc | co | 46 | 54 | – | – | 2·3 | 5·2 |
| | Rhyl ... ... | cbcz | cz | 46 | 55 | – | – | 0·9 | 4·4 |
| 8 | Wallasey ... | c | co | 46 | 55 | – | – | 0·7 | 2·7 |
| | Southport ... | bczczczcz | | 43 | 59 | – | – | 1·5 | 2·2 |
| | Blackpool ... | cm | cmco | 39 | 55 | – | – | 1·1 | 6·1 |
| | Morecambe ... | c | bcbc | 43 | 55 | – | – | 0·7 | 4·2 |
| 9 | Ilkley... ... | bcc | bcc | 41 | 55 | – | – | 1·2 | 4·3 |
| | Harrogate ... | c | cpc | 49 | 51 | – | Trace | 0·1 | 2·1 |
| 10 | Berwick-on-T. | bc | bcb | 44 | 51 | 0·3 | – | 8·5 | 2·9 |
| 11 | Dunbar ... | cmr | bc | 45 | 52 | 0·5 | – | 6·8 | 2·2 |
| 12 | Troon... ... | rcb | bccoc | 40 | 56 | Trace | – | 2·8 | 4·0 |
| | Douglas ... | bz | bcz | 44 | 57 | – | – | 6·5 | 7·0 |

† Max. Temp. for period 21h. yesterday to 17h. to-day; Min. Temp. 21h.–9h.

| Districts. | Forecasts for the 24 hours commencing 12 noon, G.M.T. 27th April, 1938. |
|---|---|
| 1 S.E. England<br>2 E. England ...<br>3 E. Midlands ...<br>4 W. Midlands ...<br>5 S.W. England<br>6 South Wales ... | Light or moderate northeast winds; fair; average temperature. |
| 7 North Wales ...<br>8 N.W. England<br>9 N. Midlands ...<br>10 N.E. England<br>11 S.E. Scotland<br>12 S.W. Scotland & Isle of Man. | Light variable winds; fair; average temperature. |
| 13 A. W. Scotld. / B.N.W.Scotland.<br>14 Mid Scotland<br>15 N. E. Scotland<br>16 Orkney and Shetland | Moderate westerly winds; light local rain or showers; average temperature. |
| 17 N. W. Ireland<br>18 N. E. Ireland | As 7 - 12. |
| 19 S. E. Ireland<br>20 S. W. Ireland | As 1 - 6. |

### GENERAL INFERENCE.

An anticyclone stretches across the country and in most districts weather will be fair with about an average temperature. A disturbance passing eastwards off the north of Scotland will cause slight rain at first in Scotland.

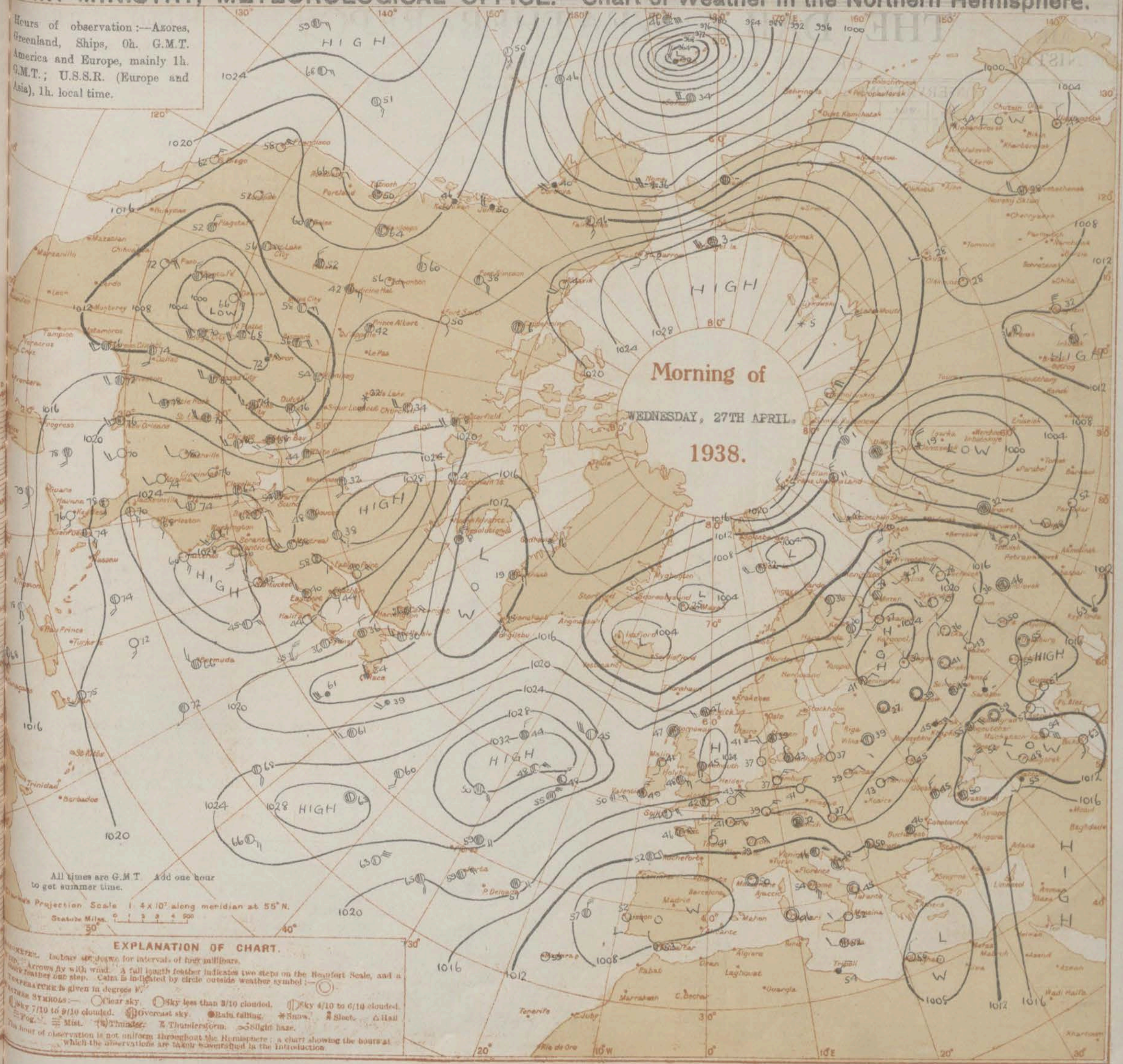
### FURTHER OUTLOOK.

Little change.

Forecasts issued at 09.30 G.M.T. GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S., Director.

H.M. Stationery Office Press, Kingsway, W.C.2

# AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.



AIR MINISTRY.

# THE DAILY WEATHER REPORT
## OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION
Wednesday, 27th April, 1938.
No. 27915.

OBSERVATIONS at 1 hr. G.M.T. 27th April

| District | Stations | Height above M.S.L. in feet | Barom. at M.S.L. mb. (1) | Change in 3 hours (2) | Wind Direc. (3) | Wind Force 0–12 (4) | Weather (5) | Temp. °F. (6) | Humid. % (7) | Visibility 0–9 (8) | Cloud Form Low (9) | Cloud Form Med. (10) | Cloud Form High (11) | Cloud Amount Low 0–10 (12) | Cloud Amount Total 0–10 (13) | Height of Base (feet) (14) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | London (Kew) | 18 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Croydon ... | 217 | 1020·3 | -6 | NE'E | 2 | $z_e$ | 42 | 85 | 6 | 5 | - | - | 10 | 10 | 800 |
| | S. Farnborough | 226 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Boscombe Down | 417 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Calshot (Sthmtn.) | 8 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Lympne ... | 346 | 1019·4 | -10 | NE | 4 | b | 43 | 92 | 7 | - | - | - | 0 | 0 | - |
| | Manston ... | 142 | 1019·1 | -6 | ENE | 3 | b | 45 | 92 | 6 | - | - | - | 0 | 0 | - |
| 2 | Shoeburyness... | 11 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Felixstowe ... | 15 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Gorleston ... | 5 | 1021·2 | -2 | NE | 4 | b | 45 | 85 | 7 | - | - | - | 0 | 0 | - |
| | Mildenhall ... | 19 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Cranwell ... | 240 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 3 | Birmingham ... | 535 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Upper Heyford | 408 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 4 | Ross-on-Wye | 223 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 5 | Bristol ... | 209 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Portland Bill ... | 32 | 1018·4 | -6 | ENE | 3 | b | 44 | 85 | 8 | - | - | - | 0 | 0 | - |
| | Plymouth ... | 82 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | The Lizard ... | 240 | 1018·8 | -4 | NE | 3 | b | 44 | 85 | 8 | - | - | - | 0 | 0 | - |
| | Scilly (St. Mary's) | 163 | 1019·2 | -2 | NE'E | 3 | bc | 44 | 92 | 7 | 5 | - | - | 2-3 | 2-3 | 2500 |
| | Guernsey .. | 175 | 1018·2 | -6 | NE | 5 | b | 46 | 85 | 6 | - | 1 | - | 0 | Tr | - |
| 6 | Pembroke ... | 142 | 1021·2 | +2 | NE'E | 3 | bc | 44 | 92 | 7 | 5 | - | - | 2-3 | 2-3 | 2500 |
| 7 | Holyhead ... | 26 | 1021·3 | -2 | E | 3 | c | 48 | 85 | 7 | 5 | 3 | - | 2-3 | 9 | 2500 |
| | Chester (Sealand) | 16 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 8 | Manchester ... | 70 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 10 | Spurn Head ... | 29 | 1023·1 | 0 | E | 3 | bc | 44 | 85 | 7 | 4 | - | - | 4-6 | 4-6 | 4000 |
| | Catterick ... | 175 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Tynemouth ... | 108 | 1023·6 | -4 | S | 2 | c | 45 | 85 | 7 | 8 | - | - | 9 | 9 | 1500 |
| 11 | St. Abb's Head .. | 280 | 1023·3 | -12 | S | 2 | b | 42 | 92 | 8 | - | - | - | 0 | 0 | - |
| | Leuchars ... | 36 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 12 | Renfrew (Abbots I.) | 19 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Eskdalemuir ... | 794 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Point of Ayre... | 30 | 1022·2 | 0 | S | 2 | c | 45 | 92 | 7 | 4 | - | - | 7-8 | 7-8 | 4000 |
| 13A | Tiree ... | 22 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 13B | Stornoway ... | 80 | 1021·8 | -4 | - | 0 | c | 47 | 97 | 7 | 5 | 2 | - | 7-8 | 10 | 1500 |
| 15 | Dalwhinnie ... | 1176 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Aberdeen ... | 79 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Wick ... | 81 | 1022·0 | -6 | SSW | 3 | c | 46 | 97 | 8 | 5 | 2 | - | 7-8 | 10 | 1500 |
| 16 | Lerwick ... | 156 | 1021·8 | -6 | SW | 3 | c | 47 | 85 | 8 | 8 | 7 | - | 7-8 | 10 | 800 |
| 17 | Blacksod Point | 18 | 1022·6 | -4 | - | 0 | bc | 44 | 85 | 8 | 4 | - | - | 2-3 | 2-3 | 4000 |
| 18 | Malin Head ... | 84 | 1022·8 | -2 | S | 1 | b | 41 | 92 | 7 | - | - | - | 0 | 0 | - |
| | Aldergrove ... | 268 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 19 | Birr Castle ... | 173 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 20 | Valentia Obsy. † | 30 | 1021·8 | 0 | NNE | 3 | c | 49 | 97 | 8 | 7 | - | - | 9+ | 9+ | 1500 |
| | Roches Point | 22 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |

OBSERVATIONS at 7 hr. G.M.T. 27th April — PAST 24 HOURS.

| Stations | Barom. at M.S.L. mb. (15) | Change in 3 hours (16) | Wind Direc. (17) | Wind Force 0–12 (18) | Weather (19) | Temp. °F. (20) | Humid. % (21) | Visibility 0–9 (22) | Cloud Form Low (23) | Cloud Form Med. (24) | Cloud Form High (25) | Cloud Amount Low 0–10 (26) | Cloud Amount Total 0–10 (27) | Height of Base (feet) (28) | State of Ground 0–9 (29) | Sea 0–9 (30) | Temp. Max. Day 7h–18h °F. (31) | Temp. Min. Night 18h–7h °F. (32) | Min. on Grass °F. (33) | Rainfall Day 7h–18h mm. (34) | Rainfall Night 18h–7h mm. (35) | Sunshine 26th Hrs. (36) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| London (Kew) | 1020·4 | +4 | NE | 3 | m | 43 | 92 | 4 | 5 | - | - | 10 | 10 | 800 | 1 | * | 53 | 41 | 37 | - | - | 2·0 |
| Croydon | 1020·1 | +2 | NE | 1 | m | 43 | 97 | 4 | 5 | - | - | 10 | 10 | 450 | 0 | * | 54 | 39 | 33 | Tr | Tr | 2·5 |
| S. Farnborough | 1019·9 | +4 | ENE | 3 | $z_0$ | 43 | 92 | 6 | 5 | - | - | 10 | 10 | 800 | 0 | * | 51 | 39 | 28 | Tr | - | 5·0 |
| Boscombe Down | 1019·7 | +2 | NE'E | 3 | $z_0$ | 42 | 92 | 6 | 5 | - | - | 9 | 9 | 220 | 0 | * | 53 | 32 | 29 | - | - | 3·6 |
| Calshot (Sthmtn.) | 1019·4 | +2 | N'W | 2 | $z_0$ | 44 | 85 | 6 | - | - | - | 0 | 0 | - | 1 | 1 | 55 | 40 | 36 | - | - | 5·9 |
| Lympne | 1019·6 | +2 | NE | 3 | $z_0$ | 45 | 92 | 8 | - | - | - | 0 | 0 | - | 0 | §2 | 51 | 39 | 35 | Tr | 0·1 | 8·3 |
| Manston | 1019·3 | +2 | ENE | 3 | $z_0$ | 47 | 85 | 6 | - | - | - | 0 | 0 | - | 1 | * | 50 | 42 | 38 | 0·6 | Tr | 8·8 |
| Shoeburyness | 1020·2 | +8 | NE | 4 | c | 46 | 97 | 5 | 5 | - | - | 7-8 | 7-8 | 220 | 1 | * | 52 | 37 | 30 | 0·1 | - | 7·2 |
| Felixstowe | 1020·5 | +2 | NE'N | 3 | $z_0$ | 47 | 97 | 5 | 1 | - | - | Tr | Tr | 2500 | 0 | 1 | 51 | 41 | 38 | 0·4 | - | 9·3 |
| Gorleston | 1021·0 | +2 | NNE | 3 | c | 48 | 85 | 6 | 5 | 6 | - | 4-6 | 7-8 | 2500 | 0 | 2 | 50 | 45 | 43 | 2 | - | 9·5 |
| Mildenhall | 1020·9 | 0 | NNE | 2 | $z_0$ | 43 | 97 | 6 | 5 | - | - | 10 | 10 | 1500 | 1 | * | 52 | 30 | 27 | 0·1 | Tr | 8·0 |
| Cranwell | 1022·5 | +2 | NW | 2 | $z_0$ | 39 | 97 | 5 | 5 | - | - | 9+ | 9+ | 4000 | 0 | * | 55 | 36 | 31 | - | - | 6·1 |
| Birmingham | 1022·4 | 0 | ENE | 3 | m | 40 | 92 | 4 | 5 | - | - | 10 | 10 | 800 | 0 | * | 53 | 37 | 32 | - | - | 2·6 |
| Upper Heyford | 1021·6 | +2 | NE | 3 | $z_0$ | 42 | 92 | 3 | 5 | - | - | 10 | 10 | 450 | 0 | * | 52 | 36 | 30 | - | - | * |
| Ross-on-Wye | 1022·0 | 0 | NNE | 3 | $z_0$ | 40 | 92 | 5 | 5 | - | - | 10 | 10 | 800 | 0 | * | 54 | 35 | 23 | - | - | 3·5 |
| Bristol | 1021·4 | +6 | NNE | 2 | cf | 38 | 97 | 3 | 5 | - | - | 10 | 10 | 220 | 0 | * | 55 | 32 | 25 | - | - | 2·9 |
| Portland Bill | 1018·4 | +6 | ENE | 3 | bc | 44 | 85 | 6 | 4 | - | - | 2-3 | 2-3 | 2500 | 0 | 3 | 52 | 43 | * | - | - | * |
| Plymouth | 1018·3 | -2 | - | 0 | b | 46 | 65 | 8 | - | - | - | 0 | 0 | - | 0 | 0 | 53 | 42 | 38 | - | - | 0·6 |
| The Lizard | 1018·0 | 0 | NE'N | 4 | bc | 44 | 85 | 8 | 7 | - | - | 2-3 | 2-3 | 4000 | 0 | 1 | 53 | 40 | * | - | - | 0·1 |
| Scilly (St. Mary's) | 1019·0 | +4 | NE'E | 4 | b | 46 | 85 | 7 | - | 3 | - | 0 | 1 | - | 0 | 2 | 54 | 43 | * | - | - | 4·4 |
| Guernsey | 1017·5 | +4 | NE | 3 | c | 47 | 85 | 6 | 8 | 1 | - | 7-8 | 9+ | 2500 | 0 | 3 | 51 | 46 | 41 | 0·1 | - | 8·2 |
| Pembroke | 1020·9 | +2 | NE | 3 | bc | 43 | 92 | 7 | 5 | 3 | - | Tr | 2-3 | 2500 | 0 | 0 | 57 | 46 | * | - | - | 2·6 |
| Holyhead | 1021·5 | +2 | SE'E | 1 | c | 47 | 85 | 9 | 5 | 3 | - | 4-6 | 9+ | 4000 | 0 | 1 | 55 | 43 | 34 | - | - | 7·8 |
| Chester (Sealand) | 1023·0 | +4 | - | 0 | m | 39 | 85 | 4 | - | - | - | 0 | 0 | - | 0 | * | 56 | 32 | 28 | - | - | 0·1 |
| Manchester | 1022·9 | +4 | - | 0 | bf | 36 | 97 | 3 | - | - | - | 0 | 0 | - | 0 | * | 55 | 31 | 24 | - | - | 0·3 |
| Spurn Head | 1022·5 | -4 | NE | 3 | c | 45 | 85 | 7 | 4 | 6 | - | 4-6 | 7-8 | 4000 | 0 | 2 | 53 | 43 | * | - | - | 10·6 |
| Catterick | 1023·5 | +2 | W | 1 | $z_0$ | 40 | 85 | 6 | 5 | 3 | - | 1 | 2-3 | 4000 | 0 | * | 53 | 30 | 24 | Tr | - | 1·4 |
| Tynemouth | 1023·2 | +4 | SW | 2 | bc | 44 | 75 | 6 | 5 | 3 | - | 2-3 | 4-6 | 800 | 0 | 1 | 51 | 42 | 37 | Tr | - | 2·8 |
| St. Abb's Head | 1023·5 | -2 | N | 1 | bc | 45 | 85 | 8 | 7 | 4 | 9 | 2-3 | 4-6 | 2500 | 1 | 0 | 51 | 40 | * | Tr | Tr | * |
| Leuchars | 1022·8 | +2 | - | 0 | $ir_0$ | 44 | 92 | 7 | 5 | - | - | 9+ | 9+ | 4000 | 1 | * | 55 | 40 | 31 | 0·5 | 0·1 | 1·1 |
| Renfrew (Abbots I.) | 1022·2 | 0 | NNE | 1 | $z_0$ | 45 | 92 | 5 | 6 | - | - | 10 | 10 | 4000 | 0 | * | 57 | 45 | 43 | - | · | 0·0 |
| Eskdalemuir | 1023·3 | +2 | - | 0 | b | 36 | 92 | 7 | 5 | - | - | Tr | Tr | 4000 | 0 | * | 56 | 28 | 22 | 0·2 | Tr | 5·4 |
| Point of Ayre | 1022·2 | 0 | S | 4 | c | 47 | 85 | 6 | 5 | - | - | 9+ | 9+ | 1500 | 1 | 2 | 56 | 42 | * | - | Tr | 8·2 |
| Tiree | 1022·1 | +2 | W'N | 1 | c | 49 | 92 | 8 | 8 | 3 | - | 1 | 7-8 | 2500 | 0 | 1 | 53 | 41 | 32 | - | Tr | 0·0 |
| Stornoway | 1021·1 | +2 | WSW | 4 | c | 48 | 85 | 8 | 5 | 6 | - | 4-6 | 9+ | 2500 | 1 | 2 | 51 | 46 | * | 0·2 | Tr | 0·1 |
| Dalwhinnie | * | 0 | S | 2 | c | 44 | 92 | 7 | 4 | 6 | - | 4-6 | 9+ | 2500 | 1 | * | 55 | 42 | 40 | 1 | 0·3 | 1·6 |
| Aberdeen | 1021·4 | -4 | S'W | 2 | $ir_0$ | 47 | 85 | 6 | 5 | 7 | - | 9 | 9+ | 2500 | 0 | 1 | 52 | 44 | 36 | 0·4 | Tr | 0·9 |
| Wick | 1020·3 | -4 | SSW | 2 | c | 47 | 92 | 7 | 5 | 7 | 8 | 4-6 | 9 | 1500 | 1 | 1 | 54 | 45 | * | - | - | * |
| Lerwick | 1019·9 | -6 | SW | 4 | c | 46 | 92 | 8 | 8 | 7 | - | 7-8 | 10 | 1500 | 0 | * | 52 | 45 | * | 0·4 | - | 1·7 |
| Blacksod Point | 1023·2 | +6 | N | 3 | bc | 50 | 92 | 8 | 4 | - | - | 4-6 | 4-6 | 4000 | 0 | 3 | 55 | 41 | * | - | - | * |
| Malin Head | 1022·7 | -2 | NW | 1 | jp | 47 | 97 | 8 | 8 | 9 | - | 4-6 | 4-6 | 2500 | 0 | 1 | 53 | 39 | * | - | - | 4·2 |
| Aldergrove | 1022·2 | +2 | N | 2 | c | 45 | 92 | 7 | 5 | - | - | 10 | 10 | 4000 | 0 | * | 57 | 40 | 35 | - | - | 0·6 |
| Birr Castle | 1021·8 | +2 | NW | 1 | c | 42 | 97 | 7 | 5 | - | - | 10 | 10 | 1500 | 0 | * | 54 | 38 | · | Tr | - | 0·2 |
| Valentia Obsy. † | 1021·4 | 0 | NNE | 2 | bc | 52 | 65 | 8 | 5 | - | - | 4-6 | 4-6 | 5700 | 0 | 1 | 58 | 48 | 44 | - | - | 10·1 |
| Roches Point | 1021·0 | * | NE | 3 | c | 47 | 85 | 7 | 5 | - | - | 10 | 10 | 2500 | 0 | 1 | 54 | 44 | * | - | - | * |

**LONDON OBSERVATIONS**
Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations except for rainfall which is 9h—18h.

| Station | Height above M.S.L. in feet | Weather Morning | Weather Afternoon | Weather Night | Temperature Day Max. °F. | Temperature Night Min. °F. | Min. on Grass °F. | Rainfall Day mm. | Rainfall Night mm. | Sunshine to Sunset hrs. (Yesterday) | Humidity 16h. G.M.T. % (Yesterday) | Humidity 9h. G.M.T. % (To-day) | Visibility 9h. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 24 hrs. ended 9h. | | | | | | | | | | | |
| Kew | 18 | $cm_0cz_0$ | $cz_0gcz_0$ | $czbm_0$ | 53 | 41 | 37 | - | - | 2·0 | * | * | 5 |
| Croydon | 217 | $cz_0ir_0$ | $pr_0bcy$ | bcomm | 54 | 39 | 33 | Tr | Tr | 2·5 | * | * | 5 |
| Greenwich (Royal Observatory) | 149 | $or_0$ | $r_0cb$ | $bcm_0$ | 53 | 39 | 31 | Tr | - | 1·1 | 59 | 84 | 5 |
| City (Bunhill Row) | — | * | * | * | * | * | * | * | * | 1·5 | * | * | * |
| Westminster (St. James' Park) | 27 | * | * | * | 53 | 42 | 36 | - | - | 1·0 | 69 | 97 | * |
| Regents Pk. (Botanic Gardens)‡ | 168 | * | * | * | 54 | 40 | 33 | Tr | - | 1·8 | 66 | 84 | * |
| Camden Square | 110 | c | epc | * | 54 | 40 | 31 | Tr | - | * | * | 84 | * |
| Kensington | 80 | bc | c | * | 52 | 40 | 33 | Tr | Tr | 1·7 | At 18h. 68 | 75 | * |
| Hampstead Observatory | 450 | bcp | c | o | 51 | 38 | 32 | 0·4 | - | 1·7 | * | 95 | * |

**Atmospheric Pollution.**
Milligrams of Solid Impurity per cubic metre.
24 hrs. ended 7h. G.M.T. 27th.

| | Max. | Time. | Min. | Time. |
|---|---|---|---|---|
| South Kensington. | 0·3 | 19-21hr 26th | <0·3 | 1-3 hr 27th. |
| Kew Observatory. | 0·3 | 20hr 26th | <0·1 | 2hr 27th |

**FOREIGN OBSERVATIONS.**

| Stations | 18h. G.M.T. April 26th Barom. mb. | Wind Direc. | Wind Force | Weather | Temp. °F. | 7h. G.M.T. April 27th Barom. mb. | Wind Direc. | Wind Force | Weather | Temp. °F. | Past 24 Hours Max. Day °F. | Min. Night °F. | Rainfall Day mm. | Rainfall Night mm. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Paris | 1014·3 | NNE | 3 | bc | 57 | 1016·3 | NNE | 2 | b | 45 | 59 | 36 | - | - |
| Brussels | 1017·2 | ENE | 3 | bc | 54 | 1018·0 | NE | 3 | b | 45 | 55 | 37 | - | - |
| Berlin | 1019·9 | ESE | 1 | bc | 48 | 1020·2 | N | 3 | f | 41 | 50 | 37 | 3 | - |
| Zürich | 1013·6 | NE | 3 | b | 45 | 1011·8 | NW | 1 | rs | 36 | 54 | 36 | - | 0·2 |
| Rome | 1010·2 | SSE | 3 | c | 55 | 1010·6 | SE | 7 | o | 54 | * | * | - | - |

## EXPLANATION OF FIGURES, LETTERS, etc.

**COLUMNS 2, 16.**
The barometric tendency is expressed in tenths of a millibar.

**COLUMNS 4, 18.**
THE BEAUFORT SCALE OF WIND is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers is the speed at about 30 feet above the ground.

| Beaufort No | Statute m/h. | Beaufort No. | Statute m/h. | Beaufort No. | Statute m/h. |
|---|---|---|---|---|---|
| 0 | <1 | 4 | 13–18 | 9 | 47–54 |
| 1 | 1–3 | 5 | 19–24 | 10 | 55–63 |
| 2 | 4–7 | 6 | 25–31 | 11 | 64–75 |
| 3 | 8–12 | 7 | 32–38 | 12 | > 75 |
| | | 8 | 39–46 | | |

**COLUMNS 34, 35.**
Tr. = rain has fallen, but amount less than 0·1 mm.

**COLUMNS 8, 22.—Code for surface visibility.**

| | Objects not visible at |
|---|---|
| 0 Dense fog | 55 yards. |
| 1 Thick fog | 220 ,, |
| 2 Fog | 550 ,, |
| 3 Moderate fog | 1,100 ,, |
| 4 Mist or haze | 1½ miles. |
| 5 Poor visibility | 2½ ,, |
| 6 Moderate ,, | 6¼ ,, |
| 7 Good ,, | 12½ ,, |
| 8 Very good ,, | 31 ,, |
| 9 Excellent ,, | beyond 31m. |

**COLUMN 30.—Code for State of Sea.**

| | |
|---|---|
| 0 Calm. | 5 Very rough |
| 1 Smooth. | 6 High. |
| 2 Slight. | 7 Very high. |
| 3 Moderate. | 8 Precipitous. |
| 4 Rough. | 9 Confused. |

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METEOROLOGICAL OFFICE, AIR MINISTRY, ADASTRAL HOUSE, KINGSWAY, LONDON, W.C.2.

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S., Director.

† 1 hr. observations are from Valentia W/T Station. ‡ Maximum and Minimum Temperatures are for the 24 hours ending 8 h. § Sea disturbance reported from Dungeness.

Page 1.

AIR MINISTRY.

# THE DAILY WEATHER REPORT

## OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Thursday 28th April, 1938.
No. 27916.

### OBSERVATIONS at 13h. G.M.T. 27th April

| District | Stations (For heights see p. 4.) | Barom. at M.S.L. mb. (1) | Change in 3 hours (2) | Wind Direc. (3) | Wind Force 0–12 (4) | Weather (5) | °Temp. (6) | % Humid. (7) | Visibility 0–9 (8) | Cloud Form Low (9) | Cloud Form Med. (10) | Cloud Form High (11) | Cloud Amount Low 0–10 (12) | Cloud Amount Total 0–10 (13) | Height of Base (feet) (14) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | London (Kew) | 1019.4 | -6 | NNE | 2 | iro | 52 | 65 | 5 | 5 | - | - | 10 | 10 | 1500 |
| | Croydon | 1019.4 | -10 | NEN | 3 | pro | 53 | 65 | 4 | 9 | - | - | 9+ | 9+ | 1500 |
| | S. Farnborough | 1018.8 | -14 | NNE | 4 | zo | 56 | 55 | 6 | 8 | - | - | 9+ | 9+ | 2500 |
| | Boscombe Down | 1018.9 | -10 | NE | 3 | bc | 57 | 45 | 7 | 2 | - | - | 4-6 | 4-6 | 2500 |
| | Calshot (Sthmtn.) | 1018.9 | -6 | ESE | 3 | zo | 55 | 65 | 6 | 2 | - | - | 7-8 | 7-8 | 2500 |
| | Lympne | 1019.0 | -6 | NE | 5 | bc | 55 | 55 | 8 | 1 | - | - | 2-3 | 2-3 | 2500 |
| | Manston | 1019.0 | -6 | NEN | 4 | b | 52 | 75 | 6 | 1 | - | - | Tr | Tr | 2500 |
| 2 | Shoeburyness | 1019.5 | -8 | NE | 4 | b | 55 | 65 | 7 | 2 | - | - | Tr | Tr | 4000 |
| | Felixstowe | 1020.3 | -6 | ENE | 4 | b | 53 | 75 | 8 | 1 | - | - | Tr | Tr | 2500 |
| | Gorleston | 1020.9 | -4 | N'E | 3 | c | 50 | 85 | 6 | 5 | - | - | 7-8 | 7-8 | 2500 |
| | Mildenhall | 1020.0 | -10 | NEE | 3 | c/pr | 56 | 65 | 8 | 8 | - | - | 9+ | 9+ | 2500 |
| | Cranwell | 1021.2 | -10 | NE | 3 | c | 57 | 55 | 8 | 2 | - | - | 7-8 | 7-8 | 2500 |
| 3 | Birmingham | 1020.3 | -8 | ESE | 3 | b | 53 | 55 | 7 | 1 | - | - | 1 | 1 | 4000 |
| | Upper Heyford | 1021.0 | -12 | NE | 3 | zo | 54 | 65 | 6 | 2 | - | - | 4-6 | 4-6 | 2500 |
| 4 | Ross-on-Wye | 1020.5 | -8 | NE | 3 | bc | 53 | 65 | 6 | 7 | - | - | 4-6 | 4-6 | 4000 |
| 5 | Bristol | 1019.9 | -2 | NE | 4 | bc | 52 | 75 | 7 | 7 | - | - | 4-6 | 4-6 | 1500 |
| | Portland Bill | 1017.8 | -4 | ESE | 4 | bc | 53 | 85 | 7 | 4 | - | - | 4-6 | 4-6 | 2500 |
| | Plymouth | 1018.0 | +2 | E | 4 | b | 55 | 45 | 8 | 1 | - | - | Tr | Tr | 4000 |
| | The Lizard | 1017.3 | 0 | E | 3 | bc | 54 | 75 | 7 | 7 | - | - | 2-3 | 2-3 | 4000 |
| | Scilly (St. Mary's) | 1018.3 | -4 | NE | 5 | b | 64 | 75 | 7 | - | - | - | 0 | 0 | - |
| | Guernsey | 1016.5 | -4 | NE | 5 | zo | 53 | 75 | 6 | - | - | - | 0 | 0 | - |
| 6 | Pembroke | 1019.9 | 0 | SWW | 2 | bc | 56 | 65 | 8 | 5 | - | - | 4-6 | 4-6 | 2500 |
| 7 | Holyhead | 1021.5 | -4 | N | 3 | c | 51 | 65 | 8 | 5 | 3 | - | 4-6 | 9 | 4000 |
| | Chester (Sealand) | 1021.5 | -10 | N'E | 1 | bc | 56 | 55 | 7 | 1 | - | - | 4-6 | 4-6 | 4000 |
| 8 | Manchester | 1021.1 | -12 | NNW | 2 | zo | 54 | 45 | 5 | 7 | - | - | 4-6 | 4-6 | 4000 |
| 10 | Spurn Head | 1022.4 | 0 | E | 3 | bc | 51 | 65 | 8 | 1 | - | - | 4-6 | 4-6 | 1500 |
| | Catterick | 1021.8 | -10 | SW | 1 | bc | 56 | 45 | 8 | 1 | - | - | 4-6 | 4-6 | 4000 |
| | Tynemouth | 1022.7 | -2 | SE | 2 | bc | 48 | 75 | 8 | 4 | - | - | 4-6 | 4-6 | 1500 |
| 11 | St. Abbs Head | 1022.2 | 0 | NNW | 1 | c | 48 | 85 | 7 | 8 | 6 | - | 4-6 | 9+ | 1500 |
| | Leuchars | 1021.8 | -4 | SSW | 2 | zo | 52 | 75 | 6 | 5 | 7 | - | 4-6 | 9 | 5700 |
| 12 | Renfrew (Abbots I.) | 1021.6 | -8 | WSW | 3 | zo | 55 | 65 | 6 | 8 | 8 | - | 4-6 | 9 | 4000 |
| | Eskdalemuir | 1022.2 | -2 | N'W | 1 | roro | 49 | 65 | 7 | - | 2 | - | 10 | 10 | 1500 |
| | Point of Ayre | 1022.4 | +2 | S'E | 1 | c | 49 | 75 | 6 | 5 | 6 | - | 7-8 | 9+ | 1500 |
| 13A | Tiree | 1023.6 | +8 | NW | 4 | bc | 51 | 75 | 8 | 8 | 5 | 9 | 4-6 | 4-6 | 2500 |
| 13B | Stornoway | 1023.0 | +6 | NW | 4 | c | 52 | 45 | 8 | 8 | 5 | 7 | 4-6 | 7-8 | 4000 |
| 15 | Dalwhinnie | 1022.3 | -2 | W | 3 | bc | 53 | 65 | 8 | 4 | 6 | - | 4-6 | 4-6 | 4000 |
| | Aberdeen | 1021.9 | +6 | N | 1 | PR | 49 | 85 | 7 | 8 | - | - | 9+ | 9+ | 1500 |
| | Wick | 1021.5 | +6 | NW | 4 | c | 49 | 85 | 7 | 8 | 1 | - | 7-8 | 9 | 1500 |
| 16 | Lerwick | 1019.6 | +2 | WSW | 4 | c/pr | 48 | 85 | 7 | 8 | 2 | - | 7-8 | 10 | 800 |
| 17 | Blacksod Point | 1025.5 | +6 | NNE | 6 | c | 52 | 92 | 8 | 8 | - | - | 7-8 | 7-8 | 2500 |
| 18 | Malin Head | 1024.0 | +4 | NNW | 3 | c | 51 | 85 | 8 | 8 | 9 | - | 4-6 | 9 | 1500 |
| | Aldergrove | 1022.5 | +2 | N | 3 | c | 54 | 65 | 8 | 8 | 8 | - | 9 | 9 | 2500 |
| 19 | Birr Castle | 1021.9 | -2 | NE | 1 | c | 57 | 65 | 8 | 5 | - | - | 9+ | 9+ | 2500 |
| 20 | Valentia Obsy. † | 1022.0 | -2 | NE'E | 3 | c | 55 | 65 | 8 | 7 | 3 | - | 7-8 | 9+ | 7200 |
| | Roches Point | 1021.5 | * | NNE | 2 | c | 53 | 65 | 7 | 5 | 1 | - | 7-8 | 10 | 2500 |

### OBSERVATIONS at 18h. G.M.T. 27th April

| Stations | Barom. at M.S.L. mb. (15) | Change in 3 hours (16) | Wind Direc. (17) | Wind Force 0–12 (18) | Weather (19) | °Temp. (20) | % Humid. (21) | Visibility 0–9 (22) | Cloud Form Low (23) | Cloud Form Med. (24) | Cloud Form High (25) | Cloud Amount Low 0–10 (26) | Cloud Amount Total 0–10 (27) | Height of Base (feet) (28) | State of Ground 0–9 (29) | Sea 0–9 (30) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| London (Kew) | 1017.9 | -6 | NE | 3 | zo | 54 | 45 | 5 | 5 | - | - | 4-6 | 4-6 | 4000 | 1 | * |
| Croydon | 1018.0 | -2 | ENE | 4 | b | 54 | 45 | 6 | 4 | - | - | Tr | Tr | 4000 | 0 | * |
| S. Farnborough | 1018.7 | +6 | NNE | 2 | c | 53 | 65 | 6 | 7 | 3 | - | 9 | 9+ | 4000 | 0 | * |
| Boscombe Down | 1017.5 | -2 | NEE | 4 | c | 53 | 55 | 7 | 5 | 3 | - | 7-8 | 9+ | 4000 | 0 | * |
| Calshot (Sthmtn.) | 1017.2 | -6 | N'E | 3 | jp | 56 | 55 | 6 | 8 | 3 | - | 4-6 | 9 | 4000 | 0 | § 2 |
| Lympne | 1017.8 | -8 | NNE | 5 | b | 50 | 65 | 7 | - | - | - | 0 | 0 | - | 0 | 3 |
| Manston | 1017.8 | -4 | NE | 4 | b | 48 | 75 | 6 | - | - | - | 0 | 0 | - | 0 | * |
| Shoeburyness | 1018.5 | -12 | NE | 4 | b | 50 | 75 | 7 | - | - | - | 0 | 0 | - | 0 | * |
| Felixstowe | 1018.8 | -6 | NE'N | 4 | b | 51 | 65 | 8 | - | 2 | - | 0 | Tr | - | 0 | 3 |
| Gorleston | 1019.6 | -10 | N | 4 | bc | 50 | 85 | 7 | - | - | 1 | 0 | 2-3 | - | 0 | 3 |
| Mildenhall | 1018.9 | 0 | NE | 4 | bc | 54 | 65 | 8 | 1 | - | 4 | 1 | 2-3 | 4000 | 0 | * |
| Cranwell | 1020.5 | 0 | NE | 3 | bc | 52 | 65 | 8 | 5 | 4 | 4 | Tr | 2-3 | 4000 | 0 | * |
| Birmingham | 1018.8 | -8 | NE | 3 | bc | 54 | 55 | 7 | - | 3 | - | 0 | 2-3 | - | 0 | * |
| Upper Heyford | 1019.2 | +2 | NE | 4 | c | 52 | 65 | 7 | 8 | 3 | - | 9 | 9+ | 2500 | 0 | * |
| Ross-on-Wye | 1018.7 | -6 | ENE | 3 | b | 54 | 55 | 7 | - | 7 | 4 | 0 | 1 | - | 0 | * |
| Bristol | 1017.9 | -6 | NNE | 3 | zo | 56 | 55 | 6 | 8 | - | - | 7-8 | 7-8 | 2500 | 0 | * |
| Portland Bill | 1017.1 | -8 | NE | 3 | c | 52 | 65 | 7 | 5 | 2 | - | 7-8 | 10 | 2500 | 0 | 3 |
| Plymouth | 1017.1 | 0 | NE | 2 | zo | 55 | 55 | 6 | 7 | 3 | - | 4-6 | 4-6 | 5700 | 0 | 1 |
| The Lizard | 1017.1 | -4 | NE | 2 | bc | 53 | 75 | 8 | 7 | - | - | 2-3 | 2-3 | 4000 | 0 | 1 |
| Scilly (St. Mary's) | 1017.9 | 0 | NE'N | 5 | b | 50 | 75 | 7 | - | - | - | 0 | 0 | - | 0 | 3 |
| Guernsey | 1016.3 | -4 | NE | 3 | b | 52 | 65 | 7 | - | - | - | 0 | 0 | - | 0 | 3 |
| Pembroke | 1019.2 | -4 | N'E | 4 | bc | 52 | 65 | 7 | - | 7 | - | 0 | 2-3 | - | 0 | 1 |
| Holyhead | 1020.5 | -6 | N'E | 3 | b | 49 | 85 | 7 | - | .. | - | 0 | 0 | - | 0 | 2 |
| Chester (Sealand) | 1020.3 | -6 | WNW | 3 | bc | 51 | 65 | 7 | 5 | - | - | 4-6 | 4-6 | 4000 | 0 | * |
| Manchester | 1019.8 | -2 | NE | 2 | m | 52 | 65 | 4 | 5 | - | - | 10 | 10 | 4000 | 0 | * |
| Spurn Head | 1021.4 | -6 | ENE | 3 | bc | 47 | 85 | 7 | 4 | - | 5 | 2-3 | 4-6 | 2500 | 0 | 2 |
| Catterick | 1021.1 | +2 | NE'N | 3 | c | 50 | 55 | 7 | 8 | - | - | 9 | 9 | 4000 | 0 | * |
| Tynemouth | 1022.0 | -4 | SE | 2 | bc | 47 | 85 | 8 | 2 | 6 | - | 2-3 | 4-6 | 1500 | 0 | 1 |
| St. Abbs Head | 1021.3 | -2 | SSE | 2 | c | 46 | 85 | 8 | 8 | 7 | - | 4-6 | 9+ | 2500 | 0 | 1 |
| Leuchars | 1021.6 | +6 | ESE | 1 | c/pr | 50 | 85 | 6 | 5 | 7 | - | 9 | 10 | 2500 | 0 | * |
| Renfrew (Abbots I.) | 1020.6 | -4 | WNW | 2 | c | 55 | 75 | 9 | 4 | 7 | - | 2-3 | 9 | 4000 | 0 | * |
| Eskdalemuir | 1020.9 | -4 | NWW | 1 | c | 50 | 75 | 8 | 5 | - | - | 10 | 10 | 2500 | 0 | * |
| Point of Ayre | 1021.8 | -4 | N | 2 | c | 49 | 85 | 6 | - | 7 | - | 0 | 10 | - | 0 | 1 |
| Tiree | 1024.1 | +2 | N'W | 4 | c | 49 | 65 | 8 | 8 | 4 | 6 | 2-3 | 9 | 2500 | 0 | 3 |
| Stornoway | 1023.9 | +6 | NW | 3 | c | 49 | 65 | 8 | 8 | 5 | - | 4-6 | 7-8 | 4000 | 1 | 2 |
| Dalwhinnie | 1023.0 | +8 | NNE | 3 | rr | 45 | 92 | 6 | 5 | 2 | - | 7-8 | 10 | 1500 | 1 | * |
| Aberdeen | 1022.4 | +10 | N | 2 | c/pr | 48 | 85 | 8 | 9 | - | - | 10 | 10 | 1500 | 1 | [illegible] |
| Wick | 1022.3 | +6 | WNW | 4 | c | 48 | 65 | 8 | 8 | 6 | 8 | 4-6 | 9 | 1500 | 1 | 2 |
| Lerwick | 1020.7 | +4 | WSW | 4 | c | 47 | 75 | 8 | 8 | 7 | - | 4-6 | 7-8 | 1500 | 1 | * |
| Blacksod Point | 1025.5 | +2 | NNE | 7 | c | 50 | 85 | 8 | 8 | - | - | 9 | 9 | 2500 | 0 | 4 |
| Malin Head | 1024.6 | +4 | N | 4 | bc | 49 | 75 | 8 | 8 | 4 | - | 2-3 | 4-6 | 2500 | 0 | 2 |
| Aldergrove | 1022.5 | +2 | N | 4 | c | 51 | 75 | 8 | 8 | 3 | - | 7-8 | 9 | 2500 | 0 | * |
| Birr Castle | 1021.5 | -6 | NE | 1 | pro | 52 | 65 | 8 | 8 | 2 | - | 7-8 | 10 | 800 | 0 | * |
| Valentia Obsy. † | 1021.8 | -2 | NE'N | 6 | c | 53 | 75 | 8 | 5 | - | - | 9 | 9 | 2500 | 0 | 1 |
| Roches Point | 1020.5 | * | N'E | 3 | c | 53 | 75 | 8 | 8 | 1 | - | 7-8 | 10 | 2500 | 0 | 1 |

### PAST 24 HOURS. — WEATHER

| Stations | 7h.—13h. 27th (37) | 13h.—18h. 27th (38) | 18h. 27th to 1h. 28th (39) | 1h.—7h. 28th (40) |
|---|---|---|---|---|
| London (Kew) | omcromo | crobczoy | bcbzoy | cmo |
| Croydon | omfbcpro | cprocзbc | bzoymW | bmoWX |
| S. Farnborough | cbmocy | probcc | bcbmo | bmxcm |
| Boscombe Down | cmobbcy | cy | cybcmo | bcbmoW |
| Calshot (Sthmtn.) | bmobczy | czo | cprobzo | bmo |
| Lympne | bmoby | by | bW | bW, cmo |
| Manston | bcbmo | bzo | bzomoW | bbcmoW |
| Shoeburyness | cmobcb | byb | bmo | bmoxc |
| Felixstowe | bmob | b | b | bWbc |
| Gorleston | cbcc | bcbbc | bcb | c |
| Mildenhall | cmobcpro | bcpro | bcbmo, bfx | bffx |
| Cranwell | cmocbcy | cybcy | bcbW | bW, cmoc |
| Birmingham | ombc | bbc | bcc | c |
| Upper Heyford | omobc | bcproc | cdobbc | bccmo |
| Ross-on-Wye | omocz o | bcy | bcb | bmWcfof |
| Bristol | fecmobc | bcyzo | bcprocm | bccWof |
| Portland Bill | bc | bco | bc | bcb |
| Plymouth | bby | bycyzo | beybzo | bzobcb |
| The Lizard | bc | bbc | bccbc | bc |
| Scilly (St. Mary's) | b | bbcb | bbc | bccbc |
| Guernsey | cbcbz | bzb | b | bzo |
| Pembroke | bc | bc | bcc | czo |
| Holyhead | c | cb | bWmoc | bcmoc |
| Chester (Sealand) | bmobcy | bcbzoy | bcczoW | cromo |
| Manchester | bffbczo | bczoycz | czbczo | bcczo |
| Spurn Head | cbc | bcc | bccW | c |
| Catterick | bcmoby | bccy | cyczoro | cirmodo |
| Tynemouth | bc | bc | bcco | oirocp |
| St. Abbs Head | c | c | c | cpro |
| Leuchars | cirocz o | croproz | czorocc | cproc |
| Renfrew (Abbots I.) | romofzo | czobcy | crorPR | cpro |
| Eskdalemuir | bccroro | roVc | c | cbc |
| Point of Ayre | ciroc | c | c | c |
| Tiree | cirbc | bcc | cbc | bc |
| Stornoway | cidy | cpro | cbcpro | bccpro |
| Dalwhinnie | cir | cirrr | * | iroc |
| Aberdeen | zoc PR | cPR | probcb | bbcW |
| Wick | c | kidoc | cbc | c |
| Lerwick | cpr | cpr | cbcpro | bcpr |
| Blacksod Point | bcq | bcq | bcq | cq |
| Malin Head | bcc | cbc | bccybc | bc |
| Aldergrove | c | c, yc | cb | bbcc |
| Birr Castle | c | cpro | cprob | bbc |
| Valentia Obsy. † | bcc | ciroc | c | cbc |
| Roches Point | c | cproc | c | c |

## EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

### COLUMNS 5, 19, 37, 38, 39, 40—BEAUFORT NOTATION AND SYMBOLS FOR WEATHER.

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog „ less than 220 yds.
$^f$s, low fog over sea (coast station).
fg, low fog over land (inland station).
m, mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jf, fog at a distance, but not at station.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/$s_o$, slight storm of drifting snow (generally low).
k/S, heavy storm of drifting snow (generally low).
$s_o$/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze: the turbid atmosphere of dry weather.
h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus R, heavy rain. $r_o$, slight rain. rr, continuous rain.
<, less than (for cloud height).
⊕, Solar halo. ⦶ lunar halo. ⁄ gale.
With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions thus:—bc/r, fair weather after rain; —, has decreased; +, has increased.

### COLUMNS 9, 23.—FORM OF LOW CLOUD.

0 No low clouds.
1 Fair weather Cu.
2 Large Cu without anvil.
3 Cb.
4 Sc formed by the spreading out of Cu.
5 Layer of St or Sc.
6 Ragged low clouds of bad weather (or fractonimbus).
7 Fair weather Cu. and Sc.
8 Large-Cu (or Cb) and Sc.
9 Large-Cu (or Cb) and ragged low clouds of bad weather.

### COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4-6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries. "tr" signifies a small amount of cloud (trace) covering less than 1/20 of the sky. "9 +" signifies an overcast sky with a few small openings.

### COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

0 No medium clouds.
1 Typical As (thin).
2 Typical As (thick) (sun or moon invisible), or Nimbostratus (Ns).
3 Single layer of Ac or high Sc.
4 Ac in isolated patches. Individually decreasing (often lenticular).
5 Ac in bands (increasing).
6 Ac formed from the spreading out of Cu.
7 Ac associated with As or As with parts resembling Ac.
8 Ac Castellatus (or Ac in ragged fragments).
9 Ac in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

### COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

0 No cirriform cloud.
1 Fine Ci not increasing: sparse.
2 Fine Ci not increasing: abundant but not a continuous layer.
3 Anvil Ci (usually dense).
4 Fine Ci increasing: usually in tufts.
5 Ci or Cs increasing: still below 45° altitude: often in polar bands.
6 Ci or Cs increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Cs covering whole sky.
8 Cs not increasing and not covering whole sky.
9 Cc predominating, and a little cirrus.
(Cc may occur with any of the types 1 to 8).

Cloud form abbreviations:—
Cirrus,–Ci: Cirrocumulus,–Cc: Cirrostratus,–Cs: Altocumulus,–Ac: Altostratus,–As
Stratocumulus,–Sc: Stratus,–St: Nimbostratus,–Ns: Cumulus,–Cu: Cumulonimbus,–Cb

### COLUMN 29.—STATE OF GROUND.

0 .. Ground dry.
1 .. „ wet.
2 .. „ flooded.
3 .. „ frozen hard and dry.
4 .. „ partly covered with snow or hail.
5 .. „ covered with ice or glazed frost.
6 .. Ground covered with thawing snow.
7 .. „ covered with snow, less than 6 ins., deep but ground not frozen.
8 .. „ covered with snow, less than 6 ins., but ground frozen.
9 .. „ covered with snow greater than 6 ins. deep.

NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

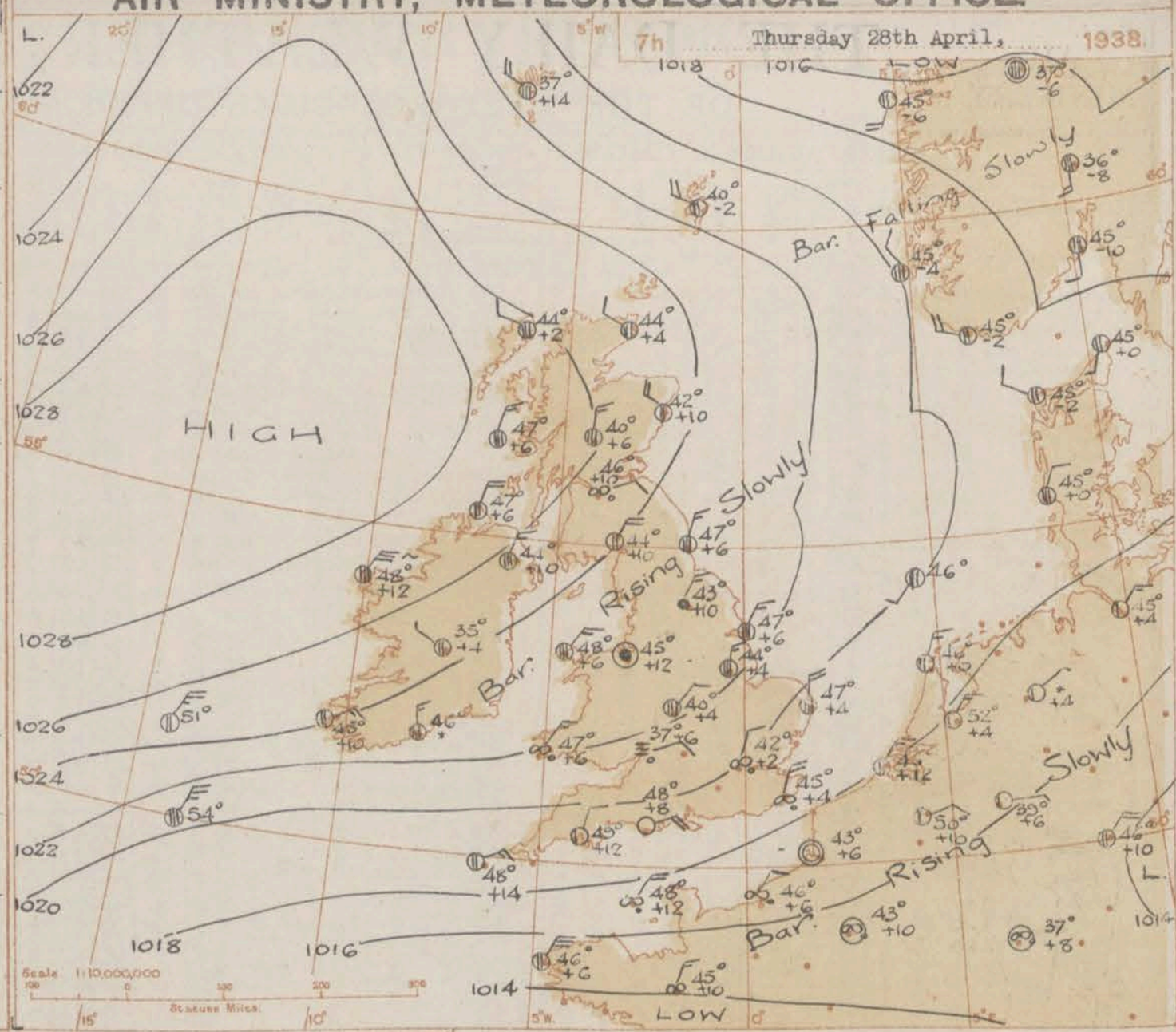
† Sea disturbance reported from Dungeness.

# AIR MINISTRY, METEOROLOGICAL OFFICE.

## REPORTS from HEALTH RESORTS for 27th. April. 1938.

| Districts. | Stations. | Weather. Forenoon. | Weather. Afternoon. | Temperature. (°F.) Min. 9h. 26th to 9h. 27th | Temperature. (°F.) Max. 9h.—17h. 27th | Rainfall. (mm.) Night. 17h. 26th to 9h. 27th | Rainfall. (mm.) Day. 9h.—17h. 27th | Sunshine. (Hrs.) Sunrise to 17h. 27th | Sunshine. (Hrs.) Sunrise to Sunset. 26th |
|---|---|---|---|---|---|---|---|---|---|
| 1 | Tunbridge W. | bc | bcb | 39 | 59 | - | - | 9.2 | 6.5 |
| | Bournemouth | b | bcc | 37 | 59 | - | - | 6.1 | 6.3 |
| | Ventnor ... | bz | bbcu | 41 | 59 | - | - | 9.7 | 8.3 |
| | Southsea ... | b | bcp. | 41 | 60 | - | Trace | 7.4 | 7.6 |
| | Bognor Regis | bbc | bcb | 41 | 59 | - | - | 8.1 | 4.1 |
| | Littlehampton | bbc | bcb | 40 | 60 | - | - | 8.0 | 4.9 |
| | Worthing ... | b | bcb | 42 | 60 | - | - | 9.5 | 5.4 |
| | Brighton ... | b | bcb | 42 | 61 | - | - | 9.6 | 5.9 |
| | Eastbourne† ... | bbc | bcby | 41 | 57 | - | - | 10.4 | 7.0 |
| | Hastings† ... | bbc | bcb | 41 | 59 | - | - | 10.5 | 7.0 |
| | Folkestone ... | b | b | 44 | 57 | - | - | 11.1 | 9.9 |
| | Dover ... | ybbc | bcby | 45 | 58 | - | - | 11.2 | 9.5 |
| | Deal ... ... | b | b | 38 | 55 | - | - | 11.3 | 10.3 |
| | Ramsgate ... | bc | bc | 47 | 51 | - | - | 11.2 | 10.4 |
| | Margate ... | bcb | b | 45 | 49 | - | - | 11.1 | 10.5 |
| 2 | Southend ... | bcb | b | 39 | 58 | - | - | 9.5 | 7.3 |
| | Clacton-on-Sea | bc | bcb | 42 | 55 | - | - | 10.5 | 7.7 |
| | Dovercourt ... | bcv | bv | 42 | 56 | - | - | 8.2 | 8.6 |
| | Lowestoft ... | cbcb | b | 44 | 53 | - | - | 6.8 | 10.3 |
| | Skegness ... | bcb | bcb | 44 | 51 | - | - | 7.9 | 9.5 |
| | Mablethorpe... | obc | b | 44 | 50 | - | - | 7.5 | 10.5 |
| | Cleethorpes ... | bc | bc | 44 | 52 | - | - | 10.0 | 10.3 |
| 3 | Leamington S. | oc | c | 37 | 59 | - | - | 3.5 | 2.2 |
| 4 | Cheltenham† | womc | cbc | 36 | 60 | - | - | 3.1 | 3.3 |
| 5 | Bath ... ... | cbcb | bbcc | 38 | 60 | - | - | 5.7 | 4.1 |
| | Weymouth ... | b | bcc | 39 | 55 | - | - | 7.1 | 5.4 |
| | Jersey ... | b | b | 45 | 59 | - | - | 11.3 | 5.1 |
| | Torquay ... | bz.b | bbc | 38 | 58 | - | - | 9.5 | 4.1 |
| | Falmouth | b | b | 39 | 59 | - | - | 11.1 | 0.3 |
| | Penzance ... | b | b | 40 | 58 | - | - | 10.6 | 0.4 |
| | St. Ives ... | b | b | 42 | 59 | - | - | 10.0 | 0.9 |
| | Bude... ... | b | bbc | 39 | 60 | - | - | 10.7 | 0.6 |
| | Ilfracombe ... | cbcb | bcbbc | 45 | 54 | - | - | 10.8 | 1.8 |
| 6 | Aberystwyth | cbc | bbc | 38 | 55 | - | - | 9.7 | 2.2 |
| 7 | Llandudno ... | c | bcb | 47 | 53 | - | - | 5.7 | 2.0 |
| | Colwyn Bay... | bccbc | bcb | 41 | 53 | - | - | 6.9 | 2.3 |
| | Rhyl ... ... | bcbz. | bz. | 37 | 56 | - | - | 10.2 | 0.9 |
| 8 | Wallasey ... | bz | bbcb | 40 | 55 | - | - | 10.3 | 0.7 |
| | Southport ... | bczbc | bczcz | 39 | 58 | - | - | 9.2 | 1.5 |
| | Blackpool ... | cm.b | bbcm. | 38 | 55 | - | - | 6.4 | 1.1 |
| | Morecambe ... | cbc | bbc | 41 | 58 | - | - | 7.1 | 1.7 |
| 9 | Ilkley... ... | b | b | 34 | 59 | - | - | 8.6 | 1.4 |
| | Harrogate ... | cb | bbcc | 35 | 58 | - | - | 7.9 | 0.1 |
| 10 | Berwick-on-T. | bcc | co | 36 | 52 | - | - | 4.6 | 8.8 |
| 11 | Dunbar ... | cpr. | cprm | 35 | 50 | 0.3 | 0.5 | 1.9 | 6.8 |
| 12 | Troon... ... | rocbc | cbc | 45 | 52 | 0.3 | - | 3.0 | 2.8 |
| | Douglas ... | cm.pr | cm. | 39 | 52 | 0.3 | 0.5 | 0.3 | 7.3 |

† Max. Temp. for period 21h. yesterday to 17h. to-day: Min. Temp. 21h.–9h.




BAROMETER. Isobars are drawn for intervals of two millibars.
WIND, WEATHER SYMBOLS. For explanation see opposite page.
SEA DISTURBANCE Rough. High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

## FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 28th April, 1938.

Districts:
1 S.E. England
2 E. England ...
3 E. Midlands ...
4 W. Midlands ...
5 S.W. England
6 South Wales ...
7 North Wales ...
8 N.W. England
9 N. Midlands ...
10 N.E. England
11 S.E. Scotland
12 S.W. Scotland & Isle of Man.
13 A. W. Scotld. B. N.W. Scotland.
14 Mid. Scotland
15 N. E. Scotland
16 Orkney and Shetland
17 N. W. Ireland
18 N. E. Ireland
19 S. E. Ireland
20 S. W. Ireland

### ALL DISTRICTS.

Wind light or moderate north to northeast; mainly fair with bright periods but light local showers; average or rather low day temperature, ground frost locally at night.

Also

### GENERAL INFERENCE.

An anticyclone off northwest Ireland is moving eastwards. Weather will continue mainly fair though there may be light local showers.

### FURTHER OUTLOOK.

Mainly fair.

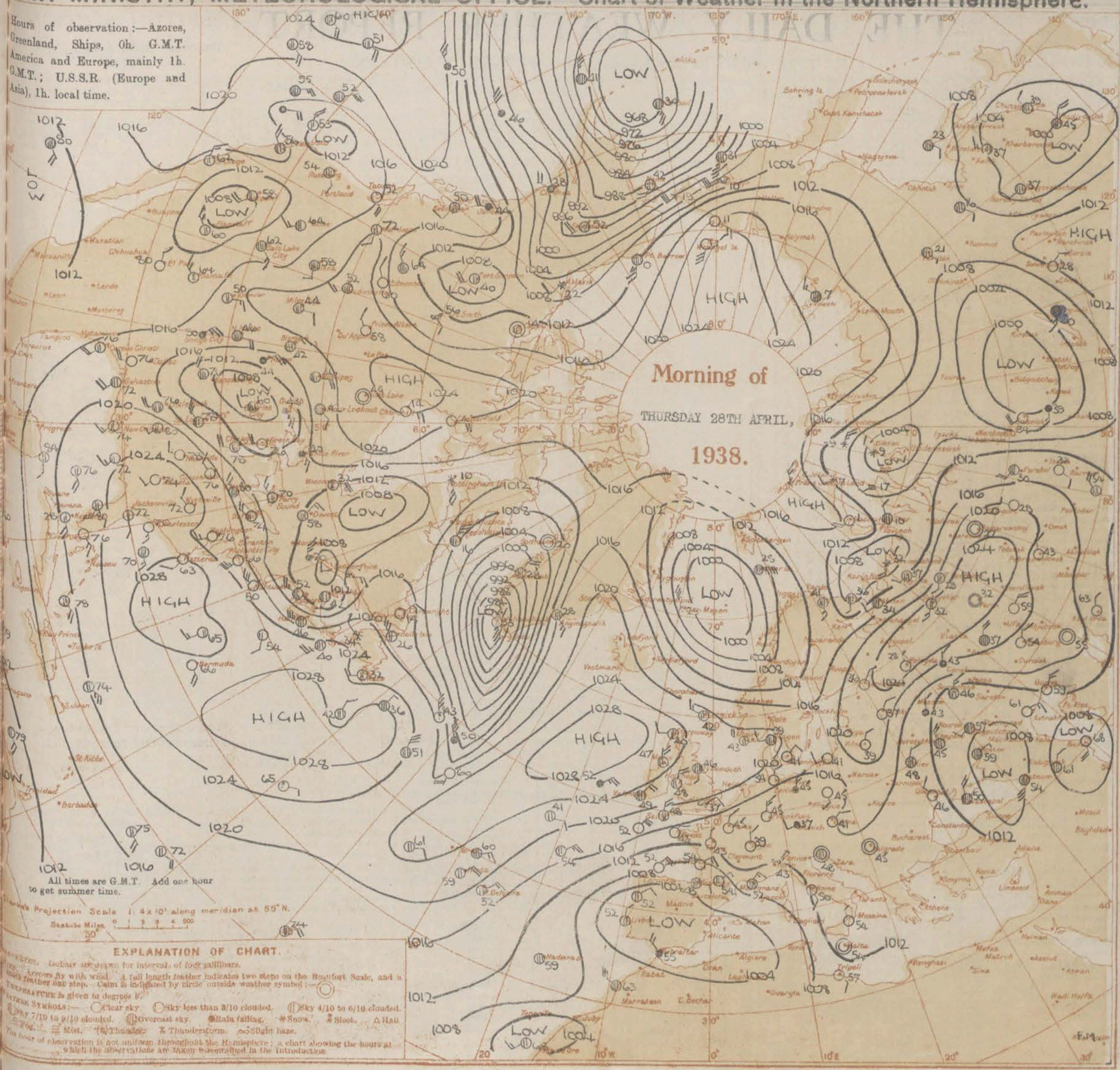
Forecasts issued at 1000 G.M.T.

GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S., Director.

H.M. Stationery Office Press, Kingsway, W.C.2.

# AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.

Hours of observation :—Azores, Greenland, Ships, 0h. G.M.T. America and Europe, mainly 1h. G.M.T.; U.S.S.R. (Europe and Asia), 1h. local time.



AIR MINISTRY.

# THE DAILY WEATHER REPORT

## OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Thursday 28th April, 1938.
No. 27916.

### OBSERVATIONS at 1 hr. G.M.T. 28th April

| District | Stations | Height above M.S.L. in feet | Barom. at M.S.L. mb. (1) | Change in 3 hours (2) | Wind Direc. (3) | Wind Force 0–12 (4) | Weather (5) | Temp. °F. (6) | Humid. % (7) | Visibility 0–9 (8) | Cloud Form Low (9) | Med. (10) | High (11) | Amount Low 0–10 (12) | Total 0–10 (13) | Height of Base (feet) (14) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | London (Kew) | 18 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Croydon | 217 | 1019·5 | -2 | NE | 2 | $z_0$ | 37 | 85 | 6 | - | - | - | 0 | 0 | - |
| | S. Farnborough | 226 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Boscombe Down | 417 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Calshot (Stamtn.) | 8 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Lympne | 346 | 1018·9 | +2 | N'E | 4 | b | 42 | 85 | 7 | - | - | - | 0 | 0 | - |
| | Manston | 142 | 1018·0 | -6 | NNE | 4 | b | 44 | 85 | 6 | - | - | - | 0 | 0 | - - |
| 2 | Shoeburyness | 11 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Felixstowe | 15 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Gorleston | 5 | 1019·6 | -2 | N'W | 4 | b | 46 | 85 | 6 | - | - | - | 0 | 0 | - |
| | Mildenhall | 19 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Cranwell | 240 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 3 | Birmingham | 535 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Upper Heyford | 408 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 4 | Ross-on-Wye | 223 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 5 | Bristol | 209 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Portland Bill | 32 | 1018·4 | +6 | ENE | 3 | bc | 47 | 85 | 7 | 4 | - | - | 4·6 | 4·6 | 2500 |
| | Plymouth | 82 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | The Lizard | 240 | 1017·5 | 0 | NE'N | 4 | bc | 49 | 75 | 8 | 7 | - | - | 2·3 | 2·3 | 4000 |
| | Scilly (St. Mary's) | 163 | 1018·4 | 0 | NE'N | 4 | bc | 48 | 92 | 7 | 7 | 3 | - | 2·3 | 2·3 | 4000 |
| | Guernsey | 175 | 1016·6 | +2 | NE | 4 | b | 49 | 85 | 6 | - | - | - | 0 | 0 | - |
| 6 | Pembroke | 142 | 1020·2 | +4 | NE | 4 | c | 48 | 75 | 7 | 5 | 2 | - | 4·6 | 9 | 2500 |
| 7 | Holyhead | 26 | 1021·7 | +2 | N'E | 4 | bc | 48 | 92 | 7 | 5 | - | - | 4·6 | 4·6 | 4000 |
| | Chester (Sealand) | 16 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 8 | Manchester | 70 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 10 | Spurn Head | 29 | 1021·5 | 0 | ENE | 2 | bc | 44 | 85 | 8 | 4 | - | - | 4·6 | 4·6 | 2500 |
| | Catterick | 175 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Tynemouth | 108 | 1023·3 | +6 | S | 2 | o | 46 | 85 | 7 | 5 | - | - | 10 | 10 | 800 |
| 11 | St. Abbs Head | 280 | 1024·5 | +6 | NNE | 3 | c | 45 | 92 | 8 | 4 | 2 | - | 4·6 | 10 | 2500 |
| | Leuchars | 36 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 12 | Renfrew (Abbots I.) | 19 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Eskdalemuir | 794 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Point of Ayre | 30 | 1022·3 | +4 | N | 1 | c | 48 | 92 | 7 | 5 | - | - | 10 | 10 | 2500 |
| 13A | Tiree | 22 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 13B | Stornoway | 80 | 1025·8 | +6 | W | 2 | bc | 40 | 75 | 8 | 5 | - | - | 2·3 | 2·3 | 2500 |
| 15 | Dalwhinnie | 1176 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Aberdeen | 79 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Wick | 81 | 1024·2 | +4 | WNW | 3 | bc | 36 | 85 | 8 | 8 | 6 | - | 2·3 | 4·6 | 1500 |
| 16 | Lerwick | 156 | 1021·9 | +4 | WNW | 3 | bc | 42 | 85 | 8 | 8 | - | - | 4·6 | 4·6 | 1500 |
| 17 | Blacksod Point | 18 | 1025·9 | +2 | NNE | 6 | bc | 49 | 75 | 8 | 4 | - | - | 4·6 | 4·6 | 4000 |
| 18 | Malin Head | 84 | 1025·5 | +8 | N | 4 | bc | 47 | 75 | 8 | - | 4 | - | 0 | 2·3 | - |
| | Aldergrove | 268 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 19 | Birr Castle | 173 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 20 | Valentia Obsy. † | 30 | 1023·2 | +6 | NE'N | 4 | c | 49 | 97 | 8 | 8 | - | - | 10 | 10 | 1500 |
| | Roches Point | 22 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |

### OBSERVATIONS at 7 hr. G.M.T. 28th April

| District | Stations | Barom. at M.S.L. mb. (15) | Change in 3 hours (16) | Wind Direc. (17) | Wind Force 0–12 (18) | Weather (19) | Temp. °F. (20) | Humid. % (21) | Visibility 0–9 (22) | Cloud Form Low (23) | Med. (24) | High (25) | Amount Low 0–10 (26) | Total 0–10 (27) | Height of Base (feet) (28) | State of Ground 0–9 (29) | Sea 0–9 (30) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | London (Kew) | 1019·9 | +6 | NNE | 3 | $z_0$ | 44 | 85 | 5 | 5 | - | - | 9+ | 9+ | 1500 | 1 | * |
| | Croydon | 1019·9 | +2 | N'E | 2 | $z_0$ | 42 | 92 | 5 | 5 | - | - | 7·8 | 9+ | 800 | 0 | * |
| | S. Farnborough | 1020·3 | +6 | NE'N | 3 | $z_0$ | 40 | 92 | 6 | 5 | - | - | 9+ | 9+ | 800 | 0 | * |
| | Boscombe Down | 1020·2 | +4 | N'E | 4 | $z_0$ | 40 | 85 | 6 | - | - | - | 0 | 0 | - | 0 | * |
| | Calshot (Stamtn.) | 1019·4 | +2 | N | 4 | $z_0$ | 42 | 85 | 6 | - | - | - | 0 | 0 | - | 0 | 2 |
| | Lympne | 1018·8 | +4 | N'E | 4 | $z_0$ | 45 | 85 | 6 | 5 | - | - | 9+ | 9+ | 800 | 0 | §2 |
| | Manston | 1018·4 | +10 | NE'N | 4 | bc | 46 | 92 | 7 | 5 | 3 | - | 4·6 | 4·6 | 450 | 0 | * |
| 2 | Shoeburyness | 1019·4 | +8 | N'E | 3 | c | 44 | 97 | 6 | 5 | - | - | 10 | 10 | 220 | 0 | * |
| | Felixstowe | 1019·2 | -6 | N'E | 4 | bc | 47 | 85 | 7 | 8 | 3 | - | 4·6 | 4·6 | 1500 | 0 | 3 |
| | Gorleston | 1019·6 | +4 | N | 4 | c | 47 | 85 | 6 | 5 | - | - | 9+ | 9+ | 2500 | 0 | 3 |
| | Mildenhall | 1020·1 | +6 | NNE | 3 | bc | 43 | 97 | 7 | 1 | - | 1 | 2·3 | 4·6 | 2500 | 1 | * |
| | Cranwell | 1022·3 | +4 | N | 3 | c | 44 | 85 | 8 | 5 | 5 | 2 | 2·3 | 9+ | 2500 | 0 | * |
| 3 | Birmingham | 1022·7 | +4 | NE | 2 | c | 40 | 85 | 5 | 5 | - | - | 9 | 9 | 800 | 0 | * |
| | Upper Heyford | 1021·8 | +6 | N'E | 3 | $z_0$ | 41 | 92 | 6 | 5 | - | - | 10 | 10 | 800 | 0 | * |
| 4 | Ross-on-Wye | 1022·0 | +6 | ENE | 2 | m/f | 37 | 97 | 4 | 5 | - | - | 10 | 10 | 450 | 0 | * |
| 5 | Bristol | 1021·3 | +8 | ENE | 2 | cf | 37 | 97 | 2 | 5 | - | - | 10 | 10 | 450 | 0 | * |
| | Portland Bill | 1018·3 | +8 | ENE | 4 | b | 48 | 85 | 7 | - | - | - | 0 | 0 | - | 0 | 3 |
| | Plymouth | 1019·3 | +12 | NNE | 2 | b | 49 | 55 | 8 | - | 4 | - | 0 | Tr | - | 0 | 1 |
| | The Lizard | 1018·9 | +6 | NE | 3 | bc | 49 | 75 | 8 | 7 | - | - | 2·3 | 2·3 | 4000 | 0 | 1 |
| | Scilly (St. Mary's) | 1019·6 | +14 | ENE | 3 | bc | 48 | 75 | 6 | 7 | 3 | 3 | 2·3 | 4·6 | 4000 | 0 | 2 |
| | Guernsey | 1017·5 | +12 | NE | 4 | $z_0$ | 48 | 85 | 6 | - | - | 1 | 0 | Tr | - | 0 | 3 |
| 6 | Pembroke | 1020·9 | +6 | NE | 3 | $z_0$ | 47 | 85 | 6 | 5 | 2 | - | 7·8 | 10 | 2500 | 0 | 1 |
| 7 | Holyhead | 1022·2 | +6 | NE | 3 | c | 48 | 92 | 6 | 5 | 7 | - | 4·6 | 10 | 4000 | 0 | 1 |
| | Chester (Sealand) | 1023·2 | +12 | - | 0 | $r_0$ | 45 | 75 | 5 | 5 | - | - | 10 | 10 | 4000 | 0 | * |
| 8 | Manchester | 1022·9 | +10 | ENE | 3 | $z_0$ | 46 | 75 | 5 | 5 | 7 | - | 7·8 | 10 | 4000 | 0 | * |
| 10 | Spurn Head | 1022·1 | +6 | NE'N | 3 | c | 47 | 75 | 7 | 5 | 2 | 4 | 4·6 | 7·8 | 1500 | 0 | 2 |
| | Catterick | 1023·9 | +10 | NNE | 3 | $id_0$ | 43 | 92 | 5 | 5 | - | - | 10 | 10 | 800 | 1 | * |
| | Tynemouth | 1023·7 | +6 | NNE | 3 | c/pr | 47 | 85 | 7 | 8 | 4 | - | 4·6 | 7·8 | 1500 | 1 | 1 |
| 11 | St. Abbs Head | 1025·2 | +8 | NNW | 2 | c/pr | 45 | 75 | 8 | 3 | 7 | - | 4·6 | 10 | 1500 | 1 | 1 |
| | Leuchars | 1025·8 | +10 | NNW | 1 | c | 45 | 75 | 8 | 5 | 7 | - | 7·8 | 9+ | 4000 | 1 | * |
| 12 | Renfrew (Abbots I.) | 1025·4 | +10 | E'N | 2 | $z_0$ | 46 | 85 | 6 | 5 | - | - | 9+ | 9+ | 4000 | 1 | * |
| | Eskdalemuir | 1024·6 | +10 | NE | 4 | bc | 44 | 75 | 8 | 8 | - | 1 | 4·6 | 4·6 | 2500 | 0 | * |
| | Point of Ayre | 1023·5 | +10 | E'N | 4 | c | 48 | 85 | 7 | 5 | - | - | 9+ | 9+ | 1500 | 0 | 3 |
| 13A | Tiree | 1026·4 | +6 | N'E | 3 | c | 47 | 65 | 8 | 8 | 6 | 8 | 4·6 | 7·8 | 2500 | 0 | 2 |
| 13B | Stornoway | 1026·1 | +2 | WNW | 2 | c | 44 | 85 | 8 | 5 | 7 | - | 7·8 | 9+ | 4000 | 1 | 1 |
| 15 | Dalwhinnie | 1026·7 | +6 | N | 3 | c | 40 | 65 | 8 | 5 | - | - | 10 | 10 | 4000 | 1 | * |
| | Aberdeen | 1025·0 | +10 | NW | 4 | bc | 42 | 85 | 8 | 5 | 3 | - | 4·6 | 4·6 | 2500 | 1 | 1 |
| | Wick | 1024·2 | +4 | WNW | 2 | c | 44 | 75 | 8 | 8 | 7 | - | 4·6 | 7·8 | 1500 | 1 | 1 |
| 16 | Lerwick | 1021·4 | -2 | WNW | 4 | bc/pr | 40 | 85 | 8 | 8 | 7 | - | 4·6 | 4·6 | 800 | 1 | * |
| 17 | Blacksod Point | 1026·7 | +12 | NE | 6 | c | 48 | 75 | 8 | 5 | - | - | 10 | 10 | 4000 | 0 | 4 |
| 18 | Malin Head | 1026·7 | +6 | NNE | 4 | bc | 47 | 75 | 8 | 2 | - | - | 2·3 | 2·3 | 4000 | 0 | 2 |
| | Aldergrove | 1025·0 | +10 | NNE | 3 | c | 44 | 85 | 8 | 5 | - | - | 7·8 | 7·8 | 2500 | 0 | * |
| 19 | Birr Castle | 1025·0 | +4 | NW | 1 | bc | 35 | 97 | 7 | - | - | 8 | 0 | 2·3 | - | 0 | * |
| 20 | Valentia Obsy. † | 1024·8 | +10 | ENE | 3 | bc | 45 | 75 | 9 | 7 | - | 1 | 2·3 | 2·3 | 2500 | 0 | 1 |
| | Roches Point | 1022·8 | * | N | 3 | c | 46 | 92 | 8 | 5 | - | - | 7·8 | 7·8 | 2500 | 0 | 1 |

### PAST 24 HOURS.

| District | Stations | Temperature Max. Day 7h–18h °F. (31) | Min. Night 18h–7h °F. (32) | Min. on Grass °F. (33) | Rainfall Day 7h–18h mm. (34) | Night 18h–7h mm. (35) | Sunshine 27th Hrs. (36) |
|---|---|---|---|---|---|---|---|
| 1 | London (Kew) | 56 | 38 | 29 | 0·2 | - | 2·0 |
| | Croydon | 59 | 35 | 28 | Tr | - | 6·4 |
| | S. Farnborough | 57 | 27 | 20 | Tr | - | 2·6 |
| | Boscombe Down | 60 | 34 | 31 | - | - | 7·8 |
| | Calshot (Stamtn.) | 58 | 40 | 37 | - | Tr | 6·9 |
| | Lympne | 56 | 40 | 37 | - | - | 12·7 |
| | Manston | 53 | 43 | 38 | - | - | 12·8 |
| 2 | Shoeburyness | 57 | 33 | 29 | - | - | 11·7 |
| | Felixstowe | 54 | 40 | 37 | - | - | 12·2 |
| | Gorleston | 51 | 46 | 43 | - | - | 12·0 |
| | Mildenhall | 57 | 29 | 27 | Tr | Tr | 4·4 |
| | Cranwell | 57 | 39 | 32 | - | - | 5·1 |
| 3 | Birmingham | 56 | 37 | 32 | - | - | 3·9 |
| | Upper Heyford | 58 | 37 | 35 | 0·1 | Tr | * |
| 4 | Ross-on-Wye | 57 | 34 | 25 | - | - | 4·4 |
| 5 | Bristol | 58 | 34 | 26 | - | Tr | 5·6 |
| | Portland Bill | 54 | 44 | * | - | - | * |
| | Plymouth | 59 | 46 | 41 | - | - | 10·2 |
| | The Lizard | 55 | 47 | * | - | - | 12·7 |
| | Scilly (St. Mary's) | 54 | 47 | * | - | - | 12·5 |
| | Guernsey | 54 | 46 | 42 | - | - | 11·2 |
| 6 | Pembroke | 59 | 45 | * | - | - | 12·6 |
| 7 | Holyhead | 52 | 47 | 43 | - | - | 5·3 |
| | Chester (Sealand) | 57 | 43 | 35 | - | Tr | 9·8 |
| 8 | Manchester | 56 | 42 | 36 | - | - | 4·6 |
| 10 | Spurn Head | 54 | 42 | * | - | Tr | 10·5 |
| | Catterick | 59 | 43 | 42 | - | 0·2 | 9·3 |
| | Tynemouth | 49 | 45 | 42 | - | 0·6 | 11·4 |
| 11 | St. Abbs Head | 52 | 44 | * | - | Tr | * |
| | Leuchars | 57 | 42 | 40 | Tr | 0·5 | 0·2 |
| 12 | Renfrew (Abbots I.) | 59 | 44 | 40 | Tr | 3 | 2·6 |
| | Eskdalemuir | 52 | 41 | 40 | Tr | - | 3·7 |
| | Point of Ayre | 51 | 46 | * | Tr | - | 0·0 |
| 13A | Tiree | 53 | 45 | 41 | 2 | - | 7·4 |
| 13B | Stornoway | 53 | 39 | * | 0·2 | Tr | 6·6 |
| 15 | Dalwhinnie | 56 | 33 | 29 | 2 | 0·2 | 2·5 |
| | Aberdeen | 53 | 38 | 34 | 5 | Tr | 0·6 |
| | Wick | 54 | 36 | * | 0·1 | - | * |
| 16 | Lerwick | 50 | 39 | * | 1 | 1 | 1·7 |
| 17 | Blacksod Point | 55 | 46 | * | - | - | |
| 18 | Malin Head | 53 | 45 | * | - | - | 6·6 |
| | Aldergrove | 57 | 41 | 36 | - | - | 1·8 |
| 19 | Birr Castle | 57 | 33 | * | Tr | 0·5 | 0·8 |
| 20 | Valentia Obsy. † | 56 | 49 | 40 | 0·3 | - | 2·8 |
| | Roches Point | 54 | 45 | * | Tr | - | * |

### LONDON OBSERVATIONS

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations except for rainfall which is 9h—18h.

| Station | Height above M.S.L. in feet | Weather (24 hrs. ended 9h) Morning | Afternoon | Night | Temperature Day Max. °F. | Night Min. °F. | Min. on Grass °F. | Rainfall Day mm. | Night mm. | Sunshine to Sunset hrs. (Yesterday) | Humidity 15h. G.M.T. % (Yesterday) | 9h. G.M.T. % (To-day) | Visibility 9h. (To-day) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kew | 18 | omcr$_0$m | cr$_0$bcz$_0$y | bcbz$_0$y | 56 | 38 | 29 | 0·2 | - | 2·0 | • | • | 6 |
| Croydon | 217 | omfbcpr$_0$ | cpr$_0$czbc | bz$_0$ym$_0$w | 59 | 35 | 28 | Tr | - | 6·4 | • | • | 4 |
| Greenwich (Royal Observatory) | 149 | cr$_0$ | r$_0$cb | bc | 56 | 37 | 28 | Tr | - | 2·2 | 59 | 79 | 6 |
| City (Bunhill Row) | — | • | • | • | • | • | • | •• | • | 1·8 | • | • | • |
| Westminster (St. James' Park) | 27 | • | • | • | 57 | 40 | 33 | - | - | 1·7 | 61 | 78 | • |
| Regents Pk. (Botanic Gardens)‡ | 168 | • | • | • | 57 | 37 | 31 | 0·3 | - | 1·3 | 61 | 71 | • |
| Camden Square | 110 | ccp | cpc | • | 57 | 38 | 29 | 0·3 | - | • | • | 72 | • |
| Kensington | 80 | o | bc | • | 57 | 38 | 31 | Tr | - | 1·6 | At 15h. 55 | 78 | • |
| Hampstead Observatory | 450 | o | bcb | bc | 55 | 36 | 31 | Tr | - | 1·8 | • | 85 | • |

### Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. 28th

| Station | Max. | Time. | Min. | Time. |
|---|---|---|---|---|
| South Kensington | 0·3 | 19-22h 27th | <0·1 | 1-3h 28th |
| Kew Observatory | 0·3 | 21h 27th | <0·1 | 3-5h 28th |

### FOREIGN OBSERVATIONS.

| Stations | 18h G.M.T. 27th April Barom. mb. | Wind Direc. | Wind Force | Weather | Temp. °F. | 7h. G.M.T. 28th April Barom. mb. | Wind Direc. | Wind Force | Weather | Temp. °F. | Past 24 Hours Max. Day °F. | Min. Night °F. | Rainfall Day mm. | Rainfall Night mm. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Paris | 1012·3 | NE | 3 | bc | 61 | 1015·7 | - | 0 | $z_0$ | 43 | 63 | 41 | - | - |
| Brussels | | | | | | 1016·2 | ENE | 2 | b | 50 | | 39 | | - |
| Berlin | | | | | | 1013·7 | NNE | 2 | dr | 45 | | 43 | | 2 |
| Zürich | 1012·4 | E | 1 | bc/pr | 41 | 1013·5 | NNW | 1 | F | 32 | 50 | 30 | 3 | - |
| Rome | 1011·7 | SE | 4 | b | 55 | 1013·4 | E | 5 | c | 57 | * | * | 2 | - |

### EXPLANATION OF FIGURES, LETTERS, etc.

**COLUMNS 2, 16.**
The barometric tendency is expressed in tenths of a millibar.

**COLUMNS 4, 18.**
The Beaufort Scale of Wind is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers is the speed at about 30 feet above the ground.

| Beaufort No. | Statute m/h. | Beaufort No. | Statute m/h. | Beaufort No. | Statute m/h. |
|---|---|---|---|---|---|
| 0 | <1 | 4 | 13–18 | 9 | 47–54 |
| 1 | 1–3 | 5 | 19–24 | 10 | 55–63 |
| 2 | 4–7 | 6 | 25–31 | 11 | 64–75 |
| 3 | 8–12 | 7 | 32–38 | 12 | > 75 |
| | | 8 | 39–46 | | |

**COLUMNS 34, 35.**
Tr. = rain has fallen, but amount less than 0·1 mm.

**COLUMNS 8, 22.—Code for surface visibility.**

| Code | | Objects not visible at |
|---|---|---|
| 0 | Dense fog | 55 yards. |
| 1 | Thick fog | 220 ,, |
| 2 | Fog | 550 ,, |
| 3 | Moderate fog | 1,100 ,, |
| 4 | Mist or haze | 1½ miles. |
| 5 | Poor visibility | 2½ ,, |
| 6 | Moderate ,, | 6¼ ,, |
| 7 | Good ,, | 12½ ,, |
| 8 | Very good ,, | 31 ,, |
| 9 | Excellent ,, | beyond 31m. |

**COLUMN 30.—Code for State of Sea.**

| | | | |
|---|---|---|---|
| 0 | Calm. | 5 | Very rough. |
| 1 | Smooth. | 6 | High. |
| 2 | Slight. | 7 | Very high |
| 3 | Moderate. | 8 | Precipitous |
| 4 | Rough. | 9 | Confused. |

TERMS OF SUBSCRIPTION. Single Copies, 1d. each: by post 1½d. 2/8 per month; 6/8 per quarter; 25/- per year.

METEOROLOGICAL OFFICE. AIR MINISTRY. ADASTRAL HOUSE, KINGSWAY, LONDON, W.C.2.

George C Simpson, K.C.B., D.Sc., F.R.S. Director

† 1 hr. observations are from Valentia W/T Station.   ‡ Maximum and Minimum Temperatures are for the 24 hours ending 8 h.   § Sea disturbance reported from Dungeness.

Page I.

AIR MINISTRY.

# THE DAILY WEATHER REPORT

## OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Friday 29th April, 1938.
No. 27917.

### OBSERVATIONS at 13h. G.M.T. 28th April

| District | Stations (For heights see p. 4.) | Barom. at M.S.L. mb. (1) | Change in 3 hours (2) | Wind Direc. (3) | Wind Force 0–12 (4) | Weather (5) | Temp. °F. (6) | % Humid. (7) | Visibility 0–9 (8) | Cloud Form Low (9) | Cloud Form Med. (10) | Cloud Form High (11) | Amount Low 0–10 (12) | Amount Total 0–10 (13) | Height of Base (feet) (14) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | London (Kew) | 1020·0 | -4 | NE | 3 | iro | 55 | 45 | 6 | 5 | - | - | 9+ | 9+ | 2500 |
| | Croydon ... | 1020·1 | -6 | E'N | 3 | c/pr | 55 | 55 | 6 | 8 | 6 | - | 4-6 | 9 | 4000 |
| | S. Farnborough | 1019·8 | -6 | ENE | 4 | c | 57 | 45 | 6 | 2 | ? | - | 7-8 | 7-8 | 4000 |
| | Boscombe Down | 1020·0 | -6 | NE | 4 | bc | 56 | 45 | 7 | 1 | - | | 4-6 | 4-6 | 2500 |
| | Calshot (Sthmtn.) | 1019·4 | -2 | NE'N | 4 | zo | 60 | 45 | 6 | 1 | - | 2 | 4-6 | 7-8 | 4000 |
| | Lympne ... | 1019·7 | +2 | NNE | 5 | b | 54 | 65 | 8 | 1 | - | 1 | Tr | Tr | 2500 |
| | Manston ... | 1020·1 | +4 | NE'N | 5 | bc | 50 | 85 | 7 | 5 | - | 1 | 4-6 | 4-6 | 800 |
| 2 | Shoeburyness ... | 1020·3 | -2 | NE | 5 | bc | 56 | 65 | 7 | 8 | 6 | 1 | 2-3 | 4-6 | 2500 |
| | Felixstowe ... | 1020·2 | 0 | NE | 4 | bc | 55 | 65 | 8 | 8 | - | - | 4-6 | 4-6 | 2500 |
| | Gorleston ... | 1021·1 | +4 | N | 5 | c | 51 | 65 | 7 | 5 | - | - | 9 | 9 | 2500 |
| | Mildenhall ... | 1021·1 | 0 | N'E | 4 | c | 54 | 55 | 8 | 8 | - | 6 | 4-6 | 9+ | 2500 |
| | Cranwell ... | 1023·0 | +2 | N'E | 4 | pr | 51 | 65 | 8 | 8 | 7 | - | 7-8 | 10 | 2500 |
| 3 | Birmingham ... | 1021·7 | -2 | NE | 3 | c | 53 | 55 | 6 | 1 | 7 | - | 4-6 | 9 | 2500 |
| | Upper Heyford | 1021·5 | -2 | NNE | 4 | c | 53 | 55 | 8 | 8 | 7 | 6 | 7-8 | 9 | 2500 |
| 4 | Ross-on-Wye | 1021·6 | 0 | NE | 4 | zo | 55 | 45 | 6 | 8 | - | - | 9+ | 9+ | 4000 |
| 5 | Bristol ... | 1021·0 | -10 | NE | 3 | zo | 57 | 53 | 7 | 2 | - | 1 | 4-6 | 4-6 | 2500 |
| | Portland Bill ... | 1019·4 | 0 | E | 3 | c | 56 | 65 | 7 | 2 | - | - | 7-8 | 7-8 | 2500 |
| | Plymouth ... | 1019·5 | -2 | ENE | 4 | bc | 59 | 35 | 8 | 1 | - | 4 | 2-3 | 4-6 | 4000 |
| | The Lizard ... | 1019·8 | 0 | ENE | 3 | bc | 57 | 55 | 8 | 7 | 4 | - | 2-3 | 2-3 | 4000 |
| | Scilly (St. Mary's) | 1020·3 | -2 | NE | 4 | bc | 55 | 75 | 6 | 1 | 4 | 4 | 2-3 | 4-6 | 4000 |
| | Guernsey ... | 1018·8 | +6 | NE | 5 | o | 49 | 85 | 6 | 5 | - | - | 10 | 10 | 1500 |
| 6 | Pembroke ... | 1021·9 | 0 | NE'N | 4 | c | 57 | 55 | 7 | 2 | - | - | 7-8 | 7-8 | 2500 |
| 7 | Holyhead ... | 1023·7 | +4 | ENE | 4 | b | 53 | 65 | 7 | 1 | 3 | - | Tr | 1 | 4000 |
| | Chester (Sealand) | 1024·0 | +2 | NE | 4 | zo | 53 | 65 | 6 | 7 | - | - | 4-6 | 4-6 | 2500 |
| 8 | Manchester ... | 1023·8 | 0 | NE | 4 | c | 53 | 55 | 7 | 8 | 3 | - | 4-6 | 7-8 | 4000 |
| 10 | Spurn Head ... | 1023·1 | +6 | N'E | 5 | roro | 47 | 92 | 6 | 5 | - | - | 10 | 10 | 800 |
| | Catterick ... | 1024·5 | +2 | NNE | 4 | c | 50 | 55 | 8 | 8 | 3 | - | 7-8 | 9+ | 4000 |
| | Tynemouth ... | 1024·8 | +4 | NNE | 4 | bc | 48 | 75 | 8 | 2 | - | - | 2-3 | 2-3 | 1500 |
| 11 | St Abbs Head | 1025·5 | +2 | N | 2 | bc | 47 | 55 | 9 | 1 | 6 | - | Tr | 2-3 | 2500 |
| | Leuchars ... | 1025·4 | -6 | ESE | 2 | c | 50 | 55 | 9 | 7 | - | - | 9 | 9 | 4000 |
| 12 | Renfrew (Abbots I.) | 1025·5 | -6 | - | 0 | c | 53 | 65 | 8 | 8 | 3 | - | 7-8 | 7-8 | 5700 |
| | Eskdalemuir ... | 1024·9 | -4 | N | 2 | c | 51 | 48 | 8 | 7 | - | - | 9+ | 9+ | 2500 |
| | Point of Ayre... | 1024·8 | +2 | E'N | 2 | bc | 52 | 75 | 8 | 5 | 4 | 9 | 4-6 | 4-6 | 4000 |
| 13A | Tiree ... | 1027·2 | 0 | N | 2 | bc | 51 | 65 | 8 | 8 | 6 | - | 2-3 | 2-3 | 4000 |
| 13B | Stornoway ... | 1026·9 | +4 | NW | 3 | c/pr | 50 | 65 | 8 | 5 | 7 | 3 | 4-6 | 9 | 2500 |
| 15 | Dalwhinnie ... | 1026·3 | -6 | NE | 3 | c | 48 | 85 | 8 | 5 | 6 | - | 7-8 | 9+10 | 4000 |
| | Aberdeen ... | 1024·9 | -2 | N'W | 3 | c | 49 | 55 | 8 | 8 | - | - | 9+ | 9+ | 2500 |
| | Wick ... | 1024·8 | +2 | NW | 5 | c | 49 | 55 | 8 | 8 | 7 | - | 7-8 | 9 | 1500 |
| 16 | Lerwick ... | 1021·6 | +4 | NW | 5 | c/phr | 44 | 75 | 8 | 8 | - | - | 7-8 | 7-8 | 1500 |
| 17 | Blacksod Point | 1027·9 | 0 | NE | 6 | bc | 51 | 75 | 8 | 2 | - | - | 4-6 | 4-6 | 4000 |
| 18 | Malin Head ... | 1027·6 | +4 | N'E | 3 | bc | 50 | 75 | 8 | 7 | - | - | 4-6 | 4-6 | 4000 |
| | Aldergrove ... | 1025·7 | +2 | N | 3 | c | 52 | 65 | 8 | 8 | - | - | 9+ | 9+ | 2500 |
| 19 | Birr Castle ... | 1024·6 | -4 | NNE | 2 | c | 56 | 65 | 7 | 8 | 1 | - | 7-8 | 9+ | 1500 |
| 20 | Valentia Obsy. † | 1024·3 | -6 | NE'E | 4 | b | 57 | 55 | 9 | 1 | - | 1 | Tr | Tr | 4000 |
| | Roches Point | 1023·1 | * | E'S | 3 | bc | 58 | 65 | 8 | 2 | - | - | 4-6 | 4-6 | 2500 |

### OBSERVATIONS at 18h. G.M.T. 28th April — PAST 24 HOURS

| Stations | Barom. at M.S.L. mb. (15) | Change in 3 hours (16) | Wind Direc. (17) | Wind Force 0–12 (18) | Weather (19) | Temp. °F. (20) | % Humid. (21) | Visibility 0–9 (22) | Cloud Form Low (23) | Cloud Form Med. (24) | Cloud Form High (25) | Amount Low 0–10 (26) | Amount Total 0–10 (27) | Height of Base (feet) (28) | State of Ground 0–9 (29) | Sea 0–9 (30) | Weather 7h.—13h. 28th (37) | Weather 13h.—18h. 28th (38) | Weather 18h. 28th to 1h. 29th (39) | Weather 1h.—7h. 29th (40) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| London (Kew) | 1020·8 | +4 | NNE | 4 | zo | 53 | 55 | 6 | 5 | 3 | 4 | 4-6 | 7-8 | 4000 | 1 | * | bccorzoy | crocz0y | czoyz | czo |
| Croydon | 1020·4 | +6 | NE | 1 | pr | 50 | 75 | 5 | 8 | 3 | - | 7-8 | 9+ | 4000 | 0 | * | cmopro | czoypro | proczomoc | cbcb |
| S. Farnborough | 1020·4 | +4 | ENE | 4 | c | 53 | 55 | 7 | 8 | 3 | - | 7-8 | 9 | 4000 | 0 | * | cmobcy | cprocy | cbccmo | bmoxb |
| Boscombe Down | 1020·2 | +2 | NE | 4 | c | 54 | 45 | 7 | 8 | - | 6 | 4-6 | 9+ | 4000 | 0 | * | bmobc | bcc | cybcy, b | bmo |
| Calshot (Sthmtn.) | 1019·8 | +6 | ENE | 5 | zo | 54 | 65 | 7 | 5 | 4 | 6 | 2-3 | 4-6 | 4000 | 0 | 2 | bzobyzo | cyzobcz | bczob | b |
| Lympne | 1020·3 | +6 | NNE | 5 | bc | 46 | 85 | 7 | 1 | 3 | 4 | 1 | 4-6 | 1500 | 0 | §3 | cmobc | b | bcb,c | cprrob |
| Manston | 1020·5 | +4 | NE'N | 5 | bc | 46 | 75 | 7 | 5 | - | 6 | 4-6 | 4-6 | 800 | 0 | * | cbc | bc | bcbodoro | rorobcpro |
| Shoeburyness | 1020·7 [red correction over "0"] | +2 | NE | 4 | bc | 48 | 75 | 7 | 8 | 4 | 6 | 2-3 | 4-6 | 2500 | 0 | * | cmobc | bcproc⊕ | bcb | bxbc |
| Felixstowe | 1020·8 | +2 | N | 4 | c | 48 | 65 | 8 | 4 | - | 6 | Tr | 7-8 | 4000 | 0 | 2 | bbc | bcbbc⊕ | bccbc | bcbwbw |
| Gorleston | 1021·3 | -2 | NNW | 4 | c | 48 | 75 | 7 | 8 | - | - | 9 | 9 | 2500 | 0 | 3 | cbcc | cq | cprocbc | cproq |
| Mildenhall | 1021·5 | 0 | N'E | 4 | c | 49 | 65 | 8 | 4 | - | - | 9+ | 9+ | 2500 | 0 | * | bccy | cyc | cidoib | bxcmopro |
| Cranwell | 1023·0 | +2 | NE'N | 5 | c | 49 | 55 | 8 | 8 | - | - | 9+ | 9+ | 4000 | 0 | * | c | crorо iro | cprob | cmobcmo |
| Birmingham | 1022·0 | +2 | NE | 3 | bc | 50 | 65 | 6 | 8 | - | - | 4-6 | 4-6 | 4000 | 0 | * | cbcc | cbc | bcb | bcm |
| Upper Heyford | 1021·8 | +6 | NNE | 4 | bc | 49 | 65 | 8 | 7 | - | - | 4-6 | 4-6 | 4000 | 0 | * | cbc | cybcq | cbcb | bmoc |
| Ross-on-Wye | 1021·6 | +4 | NE | 3 | zo | 52 | 55 | 6 | 7 | - | - | 2-3 | 2-3 | 4000 | 0 | * | cmczbcyc | cybcyz | bcbz | bwcc |
| Bristol | 1021·3 | +6 | ENE | 4 | zo | 53 | 55 | 7 | 7 | 3 | - | 4-6 | 4-6 | 2500 | 0 | * | ofbcy | bcbc | bcyzob | bxmobc |
| Portland Bill | 1019·1 | +4 | ENE | 3 | c | 54 | 85 | 7 | 4 | - | - | 7-8 | 7-8 | 2500 | 0 | 3 | bcc | c | bc | bc |
| Plymouth | 1019·3 | +4 | NE | 3 | c | 57 | 45 | 8 | 8 | 3 | -7 | 2-3 | 9+ | 4000 | 0 | 1 | bbcy | cyc ⊕ | c⊕bczoy | b |
| The Lizard | 1019·5 | 0 | NE | 1 | bc | 54 | 65 | 8 | 7 | - | - | 4-6 | 4-6 | 4000 | 0 | 1 | bcy | bc | bcb | bbc |
| Scilly (St. Mary's) | 1020·1 | 0 | NE'E | 4 | c | 52 | 75 | 6 | 4 | - | 2 | 2-3 | 7-8 | 2500 | 0 | 3 | bzobc | bcc | cbcb | b |
| Guernsey | 1018·4 | -2 | NE | 3 | zo | 51 | 75 | 6 | - | 1 | - | 0 | 1 | - | 0 | 3 | bzco | ocbcz | bzbc | bcc |
| Pembroke | 1021·7 | +2 | NNE | 3 | bc | 55 | 65 | 7 | 4 | 6 | - | 4-6 | 4-6 | 2500 | 0 | 1 | cy | cbc | bc | bczo |
| Holyhead | 1023·9 | +2 | N'E | 3 | b | 50 | 75 | 7 | - | 3 | - | 0 | Tr | - | 0 | 1 | cpromob | b | bw | b,c |
| Chester (Sealand) | 1023·6 | -2 | N | 2 | zo | 52 | 75 | 6 | 5 | - | - | 9+ | 9+ | 5700 | 0 | * | crodozo | bczoyc | cbzo | bmowcm |
| Manchester | 1023·6 | 0 | NE'E | 4 | b | 52 | 45 | 7 | 7 | 3 | - | Tr | 1 | 5700 | 0 | * | czobc | bcy | bybzow | bzocff |
| Spurn Head | 1023·1 | 0 | NE | 5 | c | 47 | 75 | 7 | 4 | - | - | 7-8 | 7-8 | 2500 | 0 | 3 | cror | c | cbccw | cpocq |
| Catterick | 1024·8 | +2 | NNE | 4 | bc | 47 | 45 | 8 | 5 | - | 8 | 2-3 | 2-3 | 4000 | 0 | * | domocy | cybcy | bcybmox | bmoxcpro |
| Tynemouth | 1024·5 | -2 | N | 2 | bc | 48 | 55 | 8 | 7 | 4 | - | 2-3 | 2-3 | 2500 | 0 | 1 | cbc | bc | bccpo | cbc |
| St Abbs Head | 1024·7 | -4 | N | 1 | bc | 50 | 55 | 9 | 4 | 4 | - | 2-3 | 4-6 | 4000 | 0 | 1 | b | bcy | cbc | cPRy |
| Leuchars | 1025·2 | -0 | ENE | 1 | c | 50 | 65 | 8 | 8 | 6 | - | 7-8 | 9 | 2500 | 0 | * | cbccy | cybcc | c,bwx | bwxbc |
| Renfrew (Abbots I.) | 1024·3 | -6 | - | 0 | c | 55 | 65 | 9 | 8 | 6 | - | 7-8 | 7-8 | 7200 | 0 | * | cmoirobc | cbccy | cbc | bccbc |
| Eskdalemuir | 1024·3 | -4 | - | 0 | e | 50 | 55 | 8 | 7 | - | - | 7-8 | 7-8 | 2500 | 0 | * | bccy | cbccy | cyc | cbc |
| Point of Ayre | 1024·8 | -2 | NNW | 2 | bc | 52 | 75 | 8 | 5 | 4 | - | 2-3 | 2-3 | 4000 | 0 | 2 | c | bc | bcc | cbc |
| Tiree | 1027·1 | -2 | NNW | 4 | b | 48 | 75 | 9 | 4 | 7 | 8 | Tr | 1 | 4000 | 0 | 3 | bc | bcb | b | b |
| Stornoway | 1027·4 | +4 | NW | 3 | c | 47 | 55 | 8 | 8 | - | - | 7-8 | 7-8 | 4000 | 1 | 2 | cprq | cproqy | cproq | cprobc |
| Dalwhinnie | 1026·8 | 0 | N | 4 | c | 45 | 55 | 8 | 4 | 2 | - | 4-6 | 9+ | 4000 | 0 | * | c | ciro | * | c |
| Aberdeen | 1024·9 | -2 | NW | 4 | bc | 47 | 75 [red "6" added] | 8 | 7 | - | - | 2-3 | 2-3 | 4000 | 0 | 2 | bwcy | cprobc | probc | bccpro |
| Wick | 1025·2 | +8 | NW | 6 | c | 44 | 75 | 8 | 8 | 7 | - | 4-6 | 7-8 | 1500 | 1 | 3 | c | cproc | cq | cq |
| Lerwick | 1023·6 | +14 | N | 5 | c | 42 | 65 | 8 | 8 | 7 | - | 7-8 | 9 | 1500 | 1 | * | bcphrc | cphr | cphroq | cphro |
| Blacksod Point | 1026·7 | 0 | NE | 6 | b | 51 | 75 | 8 | - | - | - | 0 | 0 | - | 0 | 4 | cbc | bcq | bc | bc |
| Malin Head | 1027·2 | -4 | NE | 4 | bc | 49 | 85 | 8 | 7 | - | 3 | 1 | 2-3 | 4000 | 0 | 2 | bc | bc | bc | bc |
| Aldergrove | 1025·6 | +2 | NW | 4 | b | 52 | 55 | 9 | 2 | - | 1 | 1 | 1 | 2500 | 0 | * | cbcc | cbcyby | bybx | bx |
| Birr Castle | 1024·0 | -6 | NNE | 1 | bc | 56 | 65 | 7 | 1 | - | - | 4-6 | 4-6 | 2500 | 0 | * | bcc | cbc | bcb | bbc |
| Valentia Obsy. † | 1023·8 | -2 | NE | 4 | b | 56 | 55 | 8 | 1 | - | - | Tr | Tr | 4000 | 0 | 1 | bcby | by | byb | bbccw |
| Roches Point | 1023·3 | * | E | 3 | c | 54 | 75 | 7 | 8 | - | - | 9 | 9 | 2500 | 0 | 1 | cbc | bcproc | cprobc | bc |

## EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

### COLUMNS 5, 19, 37, 38, 39, 40—BEAUFORT NOTATION AND SYMBOLS FOR WEATHER.

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog ,, less than 220 yds.
fs, low fog over sea (coast station).
fg, low fog over land (inland station).
m, mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
jf, fog at a distance, but not at station.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/so, slight storm of drifting snow (generally low).
k/S, heavy storm of drifting snow (generally low).
so/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze: the turbid atmosphere of dry weather.
h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus R, heavy rain. ro, slight rain. rr, continuous rain.
<, less than (for cloud height).
⊕, Solar halo. ⓘ lunar halo. ⸙ gale.

With present weather is combined, whenever possible, the general character of the weather.

A "solidus" divides actual existing weather from preceding conditions thus:—bc/r, fair weather after rain; —, has decreased; +, has increased.

### COLUMNS 9, 23.—FORM OF LOW CLOUD.

0 No low clouds.
1 Fair weather Cu.
2 Large Cu without anvil.
3 Cb.
4 Sc formed by the spreading out of Cu.
5 Layer of St or Sc.
6 Ragged low clouds of bad weather (or fractonimbus).
7 Fair weather Cu. and Sc.
8 Large Cu (or Cb) and Sc.
9 Large Cu (or Cb) and ragged low clouds of bad weather.

### COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4-6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries. "tr" signifies a small amount of cloud (trace) covering less than 1/20 of the sky. "9+" signifies an overcast sky with a few small openings.

### COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

0 No medium clouds.
1 Typical As (thin).
2 Typical As (thick) (sun or moon invisible), or Nimbostratus (Ns).
3 Single layer of Ac or high Sc.
4 Ac in isolated patches. Individually decreasing (often lenticular).
5 Ac in bands (increasing).
6 Ac formed from the spreading out of Cu.
7 Ac associated with As or As with parts resembling Ac.
8 Ac Castellatus (or Ac in ragged fragments).
9 Ac in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

### COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

0 No cirriform cloud.
1 Fine Ci not increasing: sparse.
2 Fine Ci not increasing: abundant but not a continuous layer.
3 Anvil Ci (usually dense).
4 Fine Ci increasing: usually in tufts.
5 Ci or Cs increasing: still below 45° altitude: often in polar bands.
6 Ci or Cs increasing and reaching above 45° altitude; often in polar bands.
7 Veil of Cs covering whole sky.
8 Cs not increasing and not covering whole sky.
9 Cc predominating, and a little cirrus.
(Cc may occur with any of the types 1 to 8).

Cloud form abbreviations:—
Cirrus,–Ci: Cirrocumulus,–Cc: Cirrostratus,–Cs: Altocumulus,–Ac: Altostratus,–As: Stratocumulus,–Sc: Stratus,–St: Nimbostratus,–Ns: Cumulus,–Cu: Cumulonimbus,–Cb

### COLUMN 29.—STATE OF GROUND.

0 .. Ground dry.
1 .. ,, wet.
2 .. ,, flooded.
3 .. ,, frozen hard and dry.
4 .. ,, partly covered with snow or hail.
5 .. ,, covered with ice or glazed frost.
6 .. Ground covered with thawing snow.
7 .. ,, covered with snow, less than 6 ins., deep but ground not frozen.
8 .. ,, covered with snow, less than 6 ins., but ground frozen.
9 .. ,, covered with snow greater than 6 ins. deep.

*NOTE.—The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

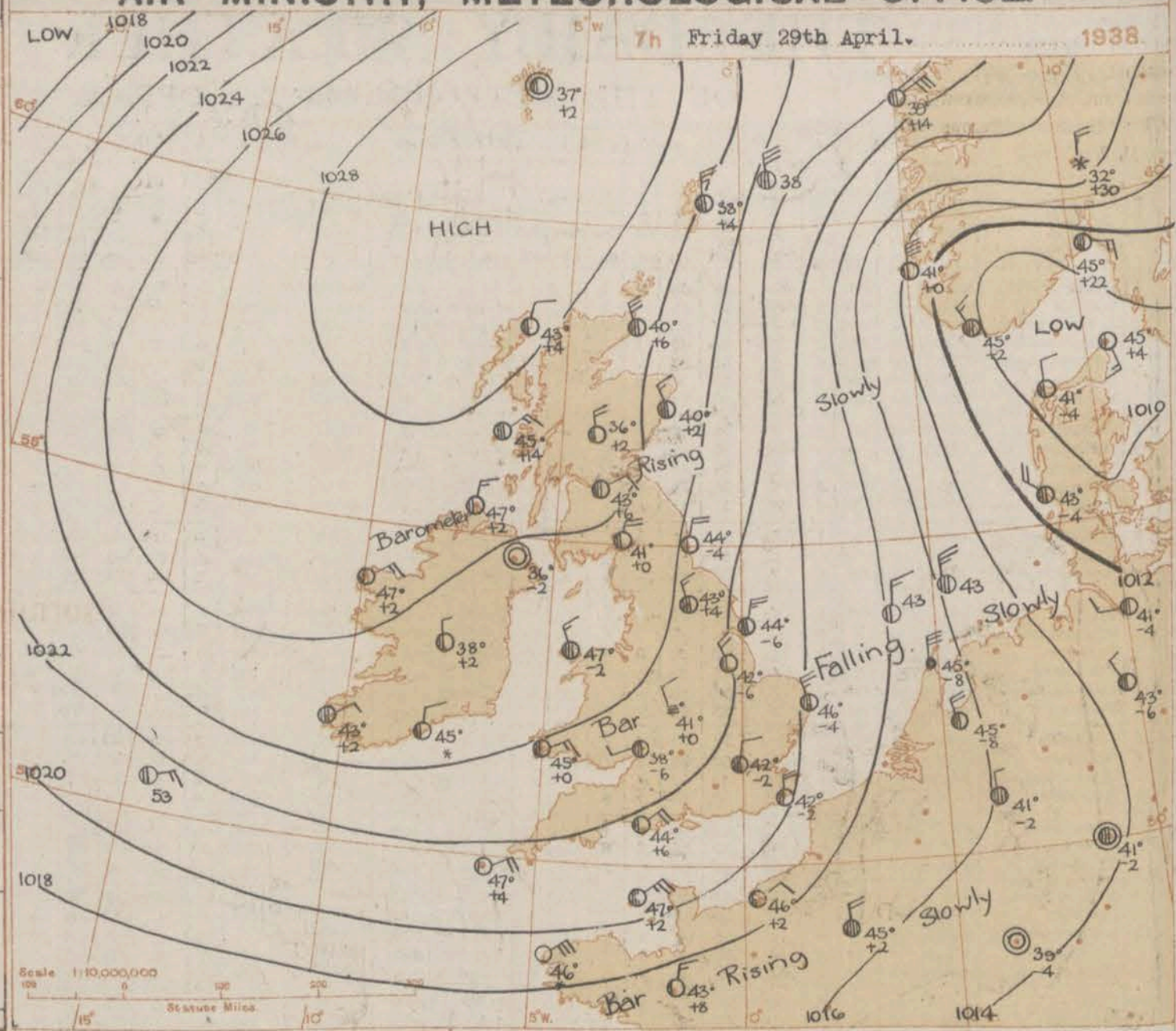
§ Sea disturbance reported from Dungeness

# AIR MINISTRY, METEOROLOGICAL OFFICE.

## REPORTS from HEALTH RESORTS for 28th April 1938.

| Districts. | Stations. | Weather. Forenoon. | Weather. Afternoon. | Temperature. (°F.) Min. 9h. 27th to 9h. 28th | Temperature. (°F.) Max. 9h.—17h. 28th | Rainfall. (mm.) Night. 17h. 27th to 9h. 28th | Rainfall. (mm.) Day. 9h.—17h. 28th | Sunshine. (Hrs.) Sunrise to 17h. 28th | Sunshine. (Hrs.) Sunrise to Sunset. 27th |
|---|---|---|---|---|---|---|---|---|---|
| 1 | Tunbridge W. | cbc | bcc | 38 | 59 | – | – | 4·6 | 10·[illegible] |
| | Bournemouth | b | bbcbc | 37 | 61 | – | – | 8·4 | 6·2 |
| | Ventnor ... | xb | bbc | 40 | 59 | – | – | 10·1 | 10·1 |
| | Southsea ... | b | bbcz | 40 | 62 | – | – | 9·2 | 7·4 |
| | Bognor Regis | b | bcr.c | 40 | 59 | – | Trace | 8·8 | 9·8 |
| | Littlehampton | b | bbc | 38 | 61 | – | – | 9·0 | 9·7 |
| | Worthing ... | b | bbcc | 39 | 60 | – | – | 9·7 | 11·1 |
| | Brighton ... | b | bbc | 41 | 61 | | | 9·3 | 11·1 |
| | Eastbourne† ... | cbcy | bcyby | 41 | 59 | – | – | 6·8 | 11·9 |
| | Hastings† ... | cbcb | bbcb | 40 | 59 | – | – | 7·6 | 12·1 |
| | Folkestone ... | bcb | b | 42 | 56 | – | – | 9·2 | 12·8 |
| | Dover ... | cbc | bcb | 43 | 55 | – | – | 6·7 | 12·7 |
| | Deal ... ... | bcc | b | 46 | 53 | – | – | 7·5 | 12·7 |
| | Ramsgate ... | bc | bc | 47 | 50 | – | – | 9·0 | 12·8 |
| | Margate ... | bc | bc | 46 | 48 | – | – | 10·0 | 12·8 |
| 2 | Southend ... | bcb | bccr. | 39 | 58 | – | Trace | 5·0 | 11·1 |
| | Clacton-on-Sea | bc | bc | 40 | 54 | – | – | 10·2 | 12·0 |
| | Dovercourt ... | bcv | bcv | 41 | 57 | – | – | 8·9 | 9·7 |
| | Lowestoft ... | cbcb | bbcc | 44 | 53 | – | – | 5·6 | 7·9 |
| | Skegness ... | bcc | cp.bc | 43 | 50 | – | Trace | 3·7 | 9·1 |
| | Mablethorpe... | cbc | bc | 44 | 51 | – | – | 3·1 | 8·8 |
| | Cleethorpes ... | bcc | cr.bc | 43 | 49 | – | Trace | 3·5 | 11·6 |
| 3 | Leamington S. | cbc | bcc | 39 | 57 | – | – | 5·9 | 3·7 |
| 4 | Cheltenham† | bcgb | bcchc | 35 | 59 | Trace | – | 5·3 | 3·9 |
| 5 | Bath ... ... | b | bbcc | 39 | 59 | – | – | 7·6 | 5·8 |
| | Weymouth ... | b | bcc | 42 | 60 | – | – | 8·5 | 7·1 |
| | Jersey ... | b | b | 46 | 57 | – | – | 11·3 | 12·9 |
| | Torquay ... | byb | bbcy | 46 | 60 | – | – | 11·1 | 10·4 |
| | Falmouth | b | b | 45 | 59 | – | – | 10·9 | 12·5 |
| | Penzance ... | b | b | 48 | 60 | – | – | 10·5 | 11·8 |
| | St. Ives ... | b | b | 42 | 59 | – | – | 9·2 | 11·4 |
| | Bude... ... | bbc | bcb | 43 | 60 | – | – | 9·6 | 12·4 |
| | Ilfracombe ... | bcbbc | bcchc | 43 | 54 | – | – | 10·0 | 12·2 |
| 6 | Aberystwyth | co | cbc | 45 | 59 | – | – | 5·7 | 10·0 |
| 7 | Llandudno ... | bcb | b | 43 | 55 | – | – | 8·2 | 7·0 |
| | Colwyn Bay... | bcb | bcb | 43 | 54 | – | – | 7·7 | 8·4 |
| | Rhyl ... ... | cm.bc | bcm. | 42 | 58 | Trace | – | 5·7 | 11·0 |
| 8 | Wallasey ... | c | c | 46 | 56 | – | – | 1·3 | 10·8 |
| | Southport ... | cb | cbcc | 44 | 59 | – | – | 1·8 | 9·2 |
| | Blackpool ... | cbcb | bcc | 42 | 59 | – | – | 2·8 | 6·4 |
| | Morecambe ... | cbcbc | bbcbc | 46 | 57 | – | – | 4·6 | 7·7 |
| 9 | Ilkley... ... | c | c | 42 | 52 | – | – | 2·0 | 8·6 |
| | Harrogate ... | cbc | bbcc | 42 | 52 | 0·1 | – | 3·1 | 8·0 |
| 10 | Berwick-on-T. | cbc | bbc | 45 | 50 | – | – | 7·3 | 4·6 |
| 11 | Dunbar ... | bc | bc | 44 | 52 | 0·3 | – | 4·1 | 1·9 |
| 12 | Troon... ... | cbcbc | bbcb | 44 | 55 | 2 | – | 4·2 | 3·6 |
| | Douglas ... | bc, | b | 45 | 55 | – | – | 5·5 | 0·3 |

† Max. Temp. for period 21h. yesterday to 17h. to-day · Min. Temp. 21h.–9h.




BAROMETER. Isobars are drawn for intervals of two millibars.
WIND, WEATHER SYMBOLS. For explanation see opposite page.
SEA DISTURBANCE. Rough. High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

| Districts. | FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 29th April, 1938. |
|---|---|
| 1 S.E. England<br>2 E. England ...<br>3 E. Midlands ... | Moderate northerly wind; mainly fair but some local showers; rather cold, ground frost at night. |
| 4 W. Midlands ...<br>5 S.W. England<br>6 South Wales ...<br>7 North Wales ...<br>8 N.W. England<br>9 N. Midlands ... | Moderate northeasterly winds; fine; average day temperature; ground frost at night. |
| 10 N.E. England<br>11 S.E. Scotland | As 1 - 3. |
| 12 S.W. Scotland & Isle of Man.<br>13 { A. W. Scotld. B.N.W.Scotland.<br>14 Mid Scotland | As 4 - 9 |
| 15 N. E. Scotland<br>16 Orkney and Shetland | Strong northerly winds; showers of rain or hail; rather cold. |
| 17 N. W. Ireland<br>18 N. E. Ireland<br>19 S. E. Ireland<br>20 S. W. Ireland | As 4 - 8. |

RAW

H.M. Stationery Office Press, Kingsway, W.C.2

### GENERAL INFERENCE.

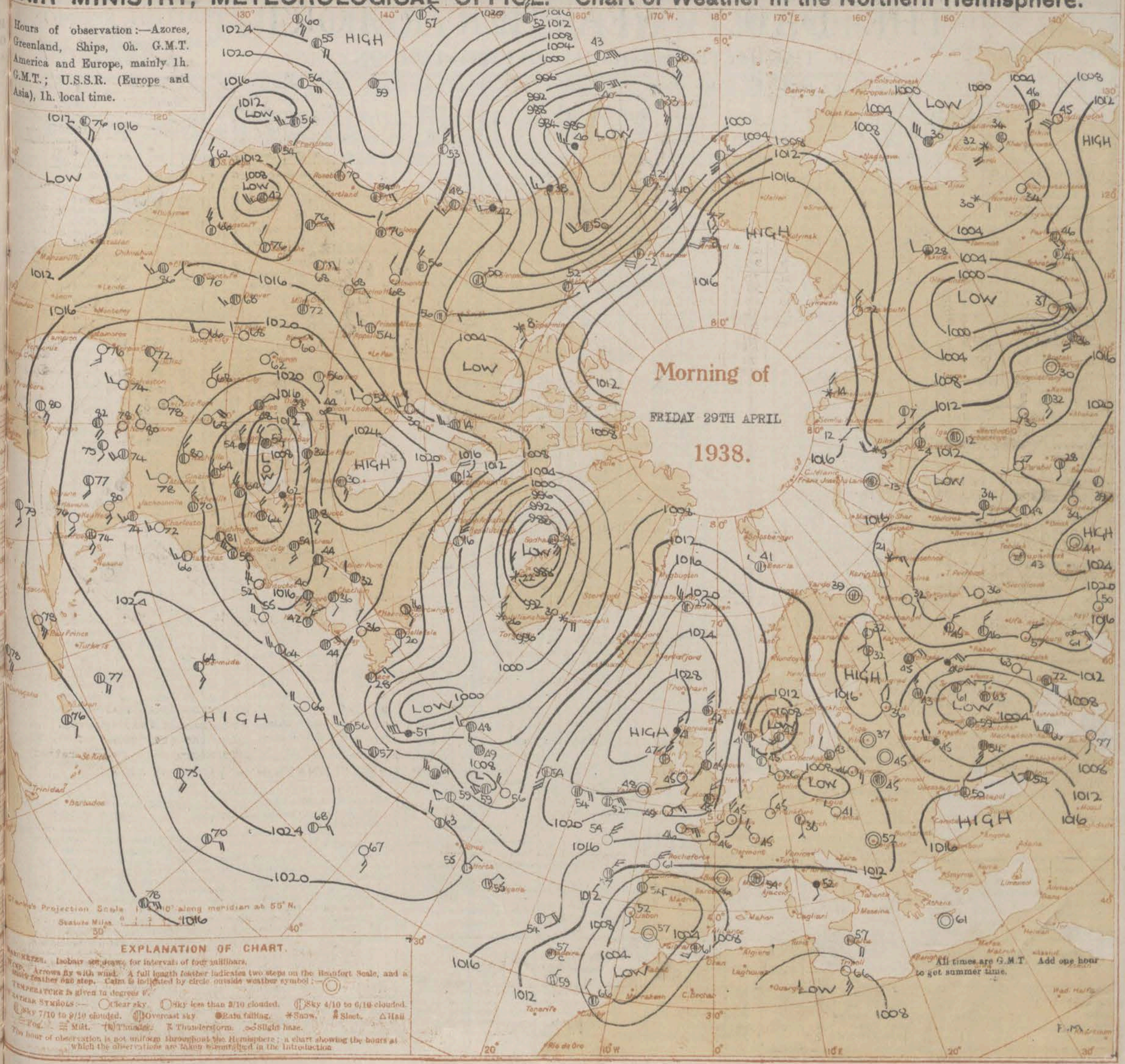
An anticyclone to the north of Ireland will maintain northerly winds with mainly fair weather apart from local showers near the east coast of Scotland and England. Temperature will remain rather low and there will be ground frost at night.

### FURTHER OUTLOOK.

Little change.

Forecasts issued at 1000 G.M.T. GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S., Director.

# AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.



AIR MINISTRY.

# THE DAILY WEATHER REPORT

## OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Friday 29th April, 1938.
No. 27917.

### OBSERVATIONS at 1 hr. G.M.T. 29th April

| District | Stations | Height above M.S.L. in feet | Barom. at M.S.L. mb. (1) | Change in 3 hours (2) | Wind Direc. (3) | Wind Force 0-12 (4) | Weather (5) | Temp. °F. (6) | Humid. % (7) | Visibility 0-9 (8) | Cloud Form Low (9) | Cloud Form Med. (10) | Cloud Form High (11) | Cloud Amount Low 0-10 (12) | Cloud Amount Total 0-10 (13) | Height of Base (feet) (14) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | London (Kew) | 18 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Croydon ... | 217 | 1022·0 | -2 | NNE | 3 | c | 45 | 75 | 7 | 5 | - | - | 7-8 | 10 | 1500 |
| | S. Farnborough | 226 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Boscombe Down | 417 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Calshot (Sthmtn.) | 8 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Lympne ... | 346 | 1021·2 | -6 | N'E | 4 | c | 44 | 85 | 6 | 5 | - | - | 9+ | 9+ | 4000 |
| | Manston ... | 142 | 1020·8 | -4 | NNE | 4 | ir | 44 | 85 | 7 | 6 | - | - | 10 | 10 | 800 |
| 2 | Shoeburyness ... | 11 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Felixstowe ... | 15 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Gorleston ... | 5 | 1021·2 | -4 | NNW | 4 | bc | 43 | 75 | 7 | 8 | - | - | 2-3 | 2-3 | 2500 |
| | Mildenhall ... | 19 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Cranwell ... | 240 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 3 | Birmingham ... | 535 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Upper Hayford | 408 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 4 | Ross-on-Wye | 223 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 5 | Bristol ... | 209 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Portland Bill ... | 32 | 1021·4 | +6 | NE | 3 | bc | 44 | 97 | 8 | 4 | - | 8 | 2-3 | 2-3 | 2500 |
| | Plymouth ... | 82 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | The Lizard ... | 240 | 1021·9 | +6 | NE'E | 4 | b | 48 | 85 | 8 | - | - | - | 0 | 0 | - |
| | Scilly (St Mary's) | 163 | 1021·4 | +2 | ENE | 4 | b | 49 | 85 | 7 | 7 | - | - | 1 | 1 | 4000 |
| | Guernsey .. | 175 | 1019·9 | 0 | NE | 5 | bc | 46 | 85 | 6 | 2 | - | - | 4-6 | 4-6 | 2500 |
| 6 | Pembroke ... | 142 | 1023·9 | +8 | NE | 3 | bc | 44 | 85 | 8 | 6 | - | - | 2-3 | 2-3 | 2500 |
| 7 | Holyhead ... | 26 | 1024·4 | -2 | SE | 2 | b | 45 | 75 | 7 | - | - | - | 0 | 0 | - |
| | Chester (Sealand) | 16 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 8 | Manchester ... | 70 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 10 | Spurn Head ... | 29 | 1022·7 | -4 | NNW'N | 4 | c | 40 | 92 | 8 | 5 | - | - | 7-8 | 7-8 | 4000 |
| | Catterick ... | 175 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Tynemouth ... | 108 | 1024·4 | -6 | N | 4 | c/pr | 45 | 75 | 8 | 2 | - | - | 9 | 9 | 1500 |
| 11 | St Abbs Head .. | 280 | 1025·3 | -2 | N | 4 | q | 43 | 65 | 8 | 8 | 5 | - | 2-3 | 4-6 | 2500 |
| | Leuchars ... | 36 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 12 | Renfrew (Abbots I.) | 19 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Eskdalemuir ... | 794 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Point of Ayre.. | 30 | 1025·0 | 0 | W'N | 3 | c | 42 | 92 | 8 | 4 | 7 | - | 2-3 | 7-8 | 1500 |
| 13A | Tiree ... | 22 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 13B | Stornoway ... | 80 | 1028·3 | 0 | NNE | 3 | pr | 41 | 85 | 8 | 8 | 7 | - | 4-6 | 7-8 | 1500 |
| 15 | Dalwhinnie ... | 1176 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Aberdeen ... | 79 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Wick ... | 81 | 1026·9 | 0 | NW | 6 | c | 40 | 65 | 8 | 5 | 7 | - | 4-6 | 9 | 1500 |
| 16 | Lerwick ... | 156 | 1025·0 | 0 | N | 5 | c | 42 | 75 | 8 | 8 | 7 | - | 4-6 | 7-8 | 1500 |
| 17 | Blacknod Point | 18 | 1027·1 | 0 | NE | 4 | b | 45 | 75 | 8 | - | - | - | 0 | 0 | - |
| 18 | Malin Head ... | 84 | 1027·3 | -6 | N'E | 4 | bc | 47 | 85 | 7 | 4 | 8 | - | 2-3 | 4-6 | 2500 |
| | Aldergrove ... | 268 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 19 | Birr Castle ... | 173 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 20 | Valentia Obsy. † | 30 | 1024·7 | 0 | - | 0 | b | 48 | 97 | 8 | - | - | - | 0 | 0 | - |
| | Roches Point | 22 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |

### OBSERVATIONS at 7 hr. G.M.T. 29th April

| District | Stations | Barom. at M.S.L. mb. (15) | Change in 3 hours (16) | Wind Direc. (17) | Wind Force 0-12 (18) | Weather (19) | Temp. °F. (20) | Humid. % (21) | Visibility 0-9 (22) | Cloud Form Low (23) | Cloud Form Med. (24) | Cloud Form High (25) | Cloud Amount Low 0-10 (26) | Cloud Amount Total 0-10 (27) | Height of Base (feet) (28) | State of Ground 0-9 (29) | Sea 0-9 (30) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | London (Kew) | 1021·7 | -6 | N | 4 | z | 43 | 75 | 6 | 5 | - | - | 4-6 | 4-6 | 4000 | 0 | * |
| | Croydon ... | 1021·5 | -2 | N'E | 2 | z | 42 | 75 | 6 | 5 | - | - | 7-8 | 7-8 | 2500 | 0 | * |
| | S. Farnborough | 1021·9 | 0 | NNE | 3 | b | 41 | 85 | 7 | 1 | 4 | - | Tr | Tr | 4000 | 0 | * |
| | Boscombe Down | 1022·5 | -6 | NNE | 3 | b | 38 | 85 | 7 | 5 | - | - | 1 | 1 | 4000 | 0 | * |
| | Calshot (Sthmtn.) | 1021·9 | +2 | N'W | 3 | b | 41 | 85 | 7 | - | - | - | 0 | 0 | - | 0 | 2 |
| | Lympne ... | 1020·5 | -2 | N | 4 | bc | 42 | 85 | 8 | 2 | - | - | 2-3 | 2-3 | 1500 | 1 | 1 |
| | Manston ... | 1019·8 | -2 | N'E | 4 | bc | 43 | 85 | 8 | 8 | - | - | 2-3 | 2-3 | 1500 | 1 | * |
| 2 | Shoeburyness ... | 1020·7 | -2 | NW | 4 | c | 43 | 85 | 7 | - | 7 | - | 0 | 7-8 | - | 0 | * |
| | Felixstowe ... | 1020·4 | -4 | NW | 3 | bc | 44 | 75 | 8 | 5 | 3 | - | 2-3 | 2-3 | 4000 | 0 | 2 |
| | Gorleston ... | 1019·9 | -4 | NNW | 5 | c | 46 | 65 | 7 | 8 | - | - | 7-8 | 7-8 | 2500 | 1 | 3 |
| | Mildenhall ... | 1021·1 | -6 | NNW | 4 | pr | 41 | 92 | 6 | 9 | 3 | - | 7-8 | 9 | 1500 | 1 | * |
| | Cranwell ... | 1022·6 | -6 | NW'N | 4 | z | 42 | 75 | 6 | - | 4 | - | 0 | 4-6 | - | 0 | * |
| 3 | Birmingham ... | 1023·3 | 0 | NNW | 2 | m | 41 | 75 | 4 | 5 | - | - | 9+ | 9+ | 4000 | 0 | * |
| | Upper Hayford | 1022·7 | -4 | NNW | 3 | z | 37 | 85 | 5 | 5 | - | - | 9+ | 9+ | 4000 | 0 | * |
| 4 | Ross-on-Wye | 1023·7 | -6 | W'S | 1 | z | 38 | 85 | 5 | 5 | - | - | 9 | 9 | 4000 | 0 | * |
| 5 | Bristol ... | 1023·6 | +2 | - | 0 | z | 39 | 85 | 5 | - | 3 | - | 0 | 2-3 | - | 0 | * |
| | Portland Bill ... | 1021·8 | +6 | NE | 4 | bc | 44 | 85 | 7 | 4 | - | - | 2-3 | 2-3 | 2500 | 0 | 3 |
| | Plymouth ... | 1022·0 | +2 | NE | 3 | b | 45 | 65 | 8 | 1 | 4 | - | Tr | Tr | 2500 | 0 | 1 |
| | The Lizard ... | 1021·9 | 0 | NE'N | 3 | bc | 45 | 75 | 8 | 7 | - | - | 2-3 | 2-3 | 4000 | 0 | 2 |
| | Scilly (St Mary's) | 1021·8 | +4 | ENE | 4 | b | 47 | 85 | 8 | - | - | 3 | 0 | 1 | - | 0 | 2 |
| | Guernsey .. | 1020·2 | +2 | NE | 5 | c | 47 | 75 | 8 | 8 | - | - | 9+ | 9+ | 2500 | 0 | 3 |
| 6 | Pembroke ... | 1023·9 | 0 | ENE | 3 | bc | 45 | 85 | 6 | 7 | 7 | - | 2-3 | 2-3 | 4000 | 0 | 1 |
| 7 | Holyhead ... | 1024·0 | -2 | NNW | 3 | c | 47 | 85 | 8 | 5 | - | - | 7-8 | 7-8 | 4000 | 0 | 1 |
| | Chester (Sealand) | 1024·6 | +2 | - | 0 | m | 39 | 85 | 4 | 5 | - | - | 10 | 10 | 4000 | 0 | * |
| 8 | Manchester ... | 1024·4 | 0 | W | 1 | cf | 38 | 85 | 3 | 5 | - | - | 10 | 10 | 4000 | 0 | * |
| 10 | Spurn Head ... | 1021·1 | -6 | N'E | 5 | q | 44 | 75 | 7 | 8 | - | - | 7-8 | 7-8 | 1500 | 1 | 3 |
| | Catterick ... | 1024·2 | +4 | NNW | 3 | c | 43 | 75 | 7 | 8 | 3 | - | 4-6 | 7-8 | 2500 | 0 | * |
| | Tynemouth ... | 1023·4 | -4 | NNE | 4 | bc | 44 | 65 | 8 | 2 | 8 | - | 4-6 | 4-6 | 1500 | 0 | 3 |
| 11 | St Abbs Head .. | 1024·4 | -4 | N | 6 | q | 41 | 55 | 9 | 9 | 8 | - | 4-6 | 7-8 | 2500 | 0 | 4 |
| | Leuchars ... | 1026·5 | +2 | NW | 2 | bc | 42 | 65 | 8 | 8 | 7 | 2 | 4-6 | 4-6 | 4000 | 0 | * |
| 12 | Renfrew (Abbots I.) | 1026·6 | +6 | ENE | 2 | c | 43 | 75 | 9 | 5 | 6 | - | 7-8 | 7-8 | 5700 | 0 | * |
| | Eskdalemuir ... | 1025·3 | 0 | NNE | 4 | bc | 41 | 55 | 8 | 7 | - | 1 | 2-3 | 2-3 | 2500 | 0 | * |
| | Point of Ayre.. | 1024·6 | +12 | E | 4 | bc | 45 | 75 | 8 | - | 7 | - | 0 | 2-3 | - | 0 | 3 |
| 13A | Tiree ... | 1026·8 | +14 | NE'N | 3 | bc | 45 | 65 | 8 | 1 | - | 8 | 2-3 | 2-3 | 4000 | 0 | 2 |
| 13B | Stornoway ... | 1025·8 | +4 | NNE | 2 | bc | 43 | 65 | 8 | 5 | 7 | - | 4-6 | 4-6 | 2500 | 1 | 1 |
| 15 | Dalwhinnie ... | * | +2 | N | 4 | bc | 36 | 65 | 8 | 4 | 6 | 1 | 4-6 | 4-6 | 4000 | 0 | * |
| | Aberdeen ... | 1025·4 | +2 | NNW | 3 | jp | 40 | 75 | 8 | 8 | - | - | 9+ | 9+ | 2500 | 1 | 2 |
| | Wick ... | 1027·0 | +6 | NNW | 6 | c | 40 | 65 | 8 | 8 | 7 | - | 4-6 | 7-8 | 1500 | 1 | 3 |
| 16 | Lerwick ... | 1026·5 | +4 | N | 5 | c | 38 | 75 | 8 | 8 | 2 | - | 7-8 | 10 | 1500 | 1 | * |
| 17 | Blacknod Point | 1026·7 | +2 | NE | 3 | bc | 47 | 85 | 8 | 4 | - | - | 4-6 | 4-6 | 2500 | 0 | 3 |
| 18 | Malin Head ... | 1026·7 | +2 | NNE | 3 | bc | 47 | 85 | 8 | 7 | - | - | 4-6 | 4-6 | 4000 | 0 | 2 |
| | Aldergrove ... | 1025·3 | -2 | - | 0 | b | 36 | 92 | 7 | - | - | 1 | 0 | Tr | - | 0 | * |
| 19 | Birr Castle ... | 1025·6 | +2 | N | 1 | bc | 38 | 97 | 7 | 5 | - | - | 4-6 | 4-6 | 4000 | 0 | * |
| 20 | Valentia Obsy. † | 1024·6 | +2 | ENE | 1 | c | 43 | 85 | 8 | - | - | 2 | 0 | 9 | - | 0 | 1 |
| | Roches Point | 1024·9 | * | N'E | 2 | bc | 45 | 85 | 8 | - | - | 5 | 0 | 2-3 | - | 0 | 1 |

### PAST 24 HOURS.

| District | Stations | Temperature Max. Day 7h-18h °F. (31) | Temperature Min. Night 18h-7h °F (32) | Temperature Min. on Grass °F. (33) | Rainfall Day 7h-18h mm. (34) | Rainfall Night 18h-7h mm. (35) | Sunshine 28th Hrs. (36) |
|---|---|---|---|---|---|---|---|
| 1 | London (Kew) | 56 | 37 | 32 | Tr | - | 5·2 |
| | Croydon ... | 59 | 39 | 35 | Tr | Tr | 2·7 |
| | S. Farnborough | 58 | 35 | 26 | Tr | - | 5·0 |
| | Boscombe Down | 59 | 30 | 26 | - | - | 8·7 |
| | Calshot (Sthmtn.) | 62 | 39 | 36 | - | - | 9·2 |
| | Lympne ... | 54 | 39 | 36 | - | 0·6 | 9·1 |
| | Manston ... | 51 | 41 | 38 | - | 0·6 | 8·5 |
| 2 | Shoeburyness ... | 57 | 35 | 29 | Tr | - | 5·6 |
| | Felixstowe ... | 55 | 36 | 32 | - | - | 10·2 |
| | Gorleston ... | 51 | 41 | 39 | - | Tr | 5·0 |
| | Mildenhall ... | 60 | 33 | 26 | - | 0·5 | 10·4 |
| | Cranwell ... | 54 | 36 | 32 | 0·1 | Tr | 3·9 |
| 3 | Birmingham ... | 53 | 36 | 23 | - | - | 4·2 |
| | Upper Hayford | 57 | 33 | 28 | - | - | * |
| 4 | Ross-on-Wye | 57 | 31 | 19 | - | - | 7·1 |
| 5 | Bristol ... | 58 | 32 | 21 | - | - | 6·3 |
| | Portland Bill ... | 57 | 43 | * | - | - | * |
| | Plymouth ... | 60 | 43 | 38 | - | - | 10·4 |
| | The Lizard ... | 57 | 45 | * | - | - | 12·0 |
| | Scilly (St Mary's) | 56 | 45 | * | - | - | 11·0 |
| | Guernsey .. | 53 | 46 | 41 | - | - | 6·3 |
| 6 | Pembroke ... | 60 | 40 | * | - | - | 5·1 |
| 7 | Holyhead ... | 54 | 42 | 32 | Tr | - | 10·4 |
| | Chester (Sealand) | 56 | 31 | 26 | Tr | - | 2·5 |
| 8 | Manchester ... | 55 | 30 | 23 | - | - | 5·0 |
| 10 | Spurn Head ... | 49 | 39 | * | Tr | 0·2 | 6·0 |
| | Catterick ... | 52 | 31 | 24 | Tr | Tr | 4·6 |
| | Tynemouth ... | 48 | 42 | 38 | - | Tr | 9·8 |
| 11 | St Abbs Head .. | 51 | 39 | * | - | 0·6 | * |
| | Leuchars ... | 53 | 35 | 27 | - | - | 2·5 |
| 12 | Renfrew (Abbots I.) | 57 | 41 | 36 | Tr | - | 2·3 |
| | Eskdalemuir ... | 53 | 35 | 32 | - | - | 6·8 |
| | Point of Ayre.. | 55 | 37 | * | - | - | 5·5 |
| 13A | Tiree ... | 52 | 44 | 41 | - | - | 11·4 |
| 13B | Stornoway ... | 51 | 36 | * | 0·3 | 0·3 | 3·8 |
| 15 | Dalwhinnie ... | 49 | 29 | 22 | Tr | - | 2·9 |
| | Aberdeen ... | 51 | 37 | 33 | Tr | Tr | 4·2 |
| | Wick ... | 50 | 39 | * | 0·3 | - | |
| 16 | Lerwick ... | 48 | 34 | * | 0·5 | Tr | 10·4 |
| 17 | Blacknod Point | 54 | 44 | * | - | - | 10·2 |
| 18 | Malin Head ... | 51 | 45 | * | - | - | 13·4 |
| | Aldergrove ... | 56 | 30 | 26 | - | - | 7·3 |
| 19 | Birr Castle ... | 58 | 35 | * | - | - | 9·1 |
| 20 | Valentia Obsy. † | 58 | 39 | 33 | - | Tr | 12·5 |
| | Roches Point | 59 | 42 | * | Tr | 0·1 | * |

### LONDON OBSERVATIONS

Day 7h—18h, Kew & Croydon.
9h—18h, Kensington.
9h—21h, other stations except for rainfall which is 9h—18h.

| | Height above M.S.L. in feet | Weather Morning (24 hrs. ended 9h) | Weather Afternoon (24 hrs. ended 9h) | Weather Night (24 hrs. ended 9h) | Temperature Day Max. °F. | Temperature Night Min. °F. | Temperature Min. on Grass °F. | Rainfall Day mm. | Rainfall Night mm. | Sunshine to Sunset hrs. (Yesterday) | Humidity 15h. G.M.T. % (Yesterday) | Humidity 9h. G.M.T. % (To-day) | Visibility 9h. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KEW ... | 18 | bc cor zy | cr cz y | cz y cz | 56 | 37 | 32 | Tr | - | 5·2 | * | * | 7 |
| CROYDON ... | 217 | cm pr | cz y pr | pr cz mb | 59 | 39 | 35 | Tr | Tr | 2·7 | * | * | 6 |
| GREENWICH (Royal Observatory) ... | 149 | c | cr cy | c bcy | 57 | 36 | 30 | 0·3 | - | 2·1 | 45 | 53 | 6 |
| CITY (Bunhill Row) ... | — | * | * | * | * | * | * | * | * | 2·8 | * | * | * |
| WESTMINSTER (St. James' Park) ... | 27 | * | * | * | 59 | 40 | 33 | - | - | 3·3* | 59 | 72 | * |
| KEW (Botanic Gardens)‡ ... | 108 | * | * | * | 58 | 37 | 28 | - | - | 3·8 | 47 | 63 | * |
| CAMDEN SQUARE ... | 110 | c | c | * | 61 | 38 | 30 | - | - | * | * | 54 | * |
| KENSINGTON ... | 80 | bc | cpc | * | 59 | 38 | 29 | Tr | - | 3·4 | At 18h. 57 | 56 | * |
| HAMPSTEAD OBSERVATORY ... | 450 | bc p | bc | bc | 56 | 35 | 28 | - | - | 5·7 | * | 84 | * |

Atmospheric Pollution. Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. 29th

| SOUTH KENSINGTON. Max. | Time | Min. | Time. |
|---|---|---|---|
| <0·3 | whole period | | |

| KEW OBSERVATORY. Max. | Time. | Min. | Time. |
|---|---|---|---|
| 0·3 | 9hrs 28th | <0·1 | 1-3hrs 29th |

### FOREIGN OBSERVATIONS.

| Stations | 18h G.M.T. 28th April Barom. mb. | Wind Direc. | Wind Force. | Weather. | Temp. °F. | 7h. G.M.T. 29th April Barom. mb. | Wind Direc. | Wind Force. | Weather. | Temp. °F. | Past 24 Hours Max. Day °F. | Min. Night °F. | Rainfall Day mm. | Rainfall Night mm. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PARIS ... | 1014·2 | NNE | 3 | b | 63 | 1017·1 | N | 4 | z | 45 | 64 | 43 | - | - |
| BRUSSELS ... | 1016·7 | NE | 3 | b | 52 | 1017·1 | N | 3 | o | 45 | * | 43 | * | Tr |
| BERLIN ... | 1012·4 | NW'W | 2 | ir | 50 | 1010·5 | NW | 4 | z | 46 | 50 | 43 | 3 | Tr |
| ZURICH ... | 1012·7 | N | 3 | bc | 54 | 1012·4 | N | 1 | z | 43 | 39 | 37 | - | - |
| ROME ... | 1014·7 | SSE | 3 | c | 57 | 1010·9 | ENE | 2 | o | 54 | * | * | - | 1 |

### EXPLANATION OF FIGURES, LETTERS, etc.

**COLUMNS 2, 16.**
The barometric tendency is expressed in tenths of a millibar.

**COLUMNS 4, 18.**
THE BEAUFORT SCALE OF WIND is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers is the speed at about 30 feet above the ground.

| Beaufort No | Statute m/h. | Beaufort No. | Statute m/h. | Beaufort No. | Statute m/h. |
|---|---|---|---|---|---|
| 0 | <1 | 4 | 13–18 | 9 | 47–54 |
| 1 | 1–3 | 5 | 19–24 | 10 | 55–63 |
| 2 | 4–7 | 6 | 25–31 | 11 | 64–75 |
| 3 | 8–12 | 7 | 32–38 | 12 | > 75 |
| | | 8 | 39–46 | | |

**COLUMNS 34, 35.**
Tr. = rain has fallen, but amount less than 0·1 mm.

**COLUMNS 8, 22.—Code for surface visibility.**

| | Objects not visible at |
|---|---|
| 0 Dense fog | 55 yards. |
| 1 Thick fog | 220 ,, |
| 2 Fog | 550 ,, |
| 3 Moderate fog | 1,100 ,, |
| 4 Mist or haze | 1½ miles. |
| 5 Poor visibility | 2½ ,, |
| 6 Moderate ,, | 6½ ,, |
| 7 Good ,, | 12½ ,, |
| 8 Very good ,, | 31 ,, |
| 9 Excellent ,, | beyond 31m. |

**COLUMN 30.—Code for State of Sea.**

| | |
|---|---|
| 0 Calm. | 5 Very rough. |
| 1 Smooth. | 6 High. |
| 2 Slight. | 7 Very high. |
| 3 Moderate. | 8 Precipitous. |
| 4 Rough. | 9 Confused. |

TERMS OF SUBSCRIPTION. { Single Copies, 1d. each: by post 1½d. 2/6 per month; 6/6 per quarter; 25/- per year.

METEOROLOGICAL OFFICE, AIR MINISTRY, ADASTRAL HOUSE, KINGSWAY, LONDON, W.C.2.

GEORGE C SIMPSON, K.C.B., D.Sc., F.R.S. Director.

† The observations are from Valentia W/T Station. ‡ Maximum and Minimum Temperatures are for the 24 hours ending 9 h. ‖ See disturbances reported from Dungeness.

Page 1.

AIR MINISTRY.

# THE DAILY WEATHER REPORT

## OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Saturday 30th April, 1938.
No. 27918.

### OBSERVATIONS at 13h. G.M.T. 29th April

| District | Stations (For heights see p. 4) | Barom. at M.S.L. mb. (1) | Change in 3 hours (2) | Wind Direc. (3) | Wind Force 0–12 (4) | Weather (5) | °F. Temp. (6) | % Humid. (7) | Visibility 0–9 (8) | Cloud Form Low (9) | Med. (10) | High (11) | Amount Low 0–10 (12) | Total 0–10 (13) | Height of Base (feet) (14) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | London (Kew) | 1019·6 | -4 | NNE | 4 | c | 50 | 45 | 7 | 8 | - | - | 7-8 | 7-8 | 4000 |
| | Croydon ... | 1019·7 | -10 | N'E | 4 | c | 50 | 45 | 7 | 8 | 6 | - | 7-8 | 9 | 4000 |
| | S. Farnborough | 1019·6 | -10 | N'W | 4 | bc | 49 | 45 | 8 | 8 | - | - | 4-6 | 4-6 | 4000 |
| | Boscombe Down | 1020·0 | -16 | NNE | 4 | c | 50 | 45 | 6 | 5 | - | - | 9 | 9 | 2500 |
| | Calshot (Sthmtn.) | 1020·2 | -16 | N | 4 | c | 54 | 45 | 8 | 5 | - | - | 7-8 | 7-8 | 2500 |
| | Lympne ... | 1019·0 | -10 | NNE | 4 | bc | 46 | 65 | 9 | 3 | 6 | - | 4-6 | 4-6 | 2500 |
| | Manston ... | 1018·8 | -8 | NE | 5 | c | 46 | 65 | 8 | 8 | 6 | - | 4-6 | 7-8 | 2500 |
| 2 | Shoeburyness ... | 1019·2 | -10 | N | 4 | c | 49 | 45 | 8 | 8 | 6 | - | 7-8 | 9+ | 4000 |
| | Felixstowe ... | 1019·1 | -10 | NWN | 5 | bc | 50 | 35 | 8 | 5 | - | - | 4-6 | 4-6 | 2500 |
| | Gorleston ... | 1018·7 | -8 | N'W | 5 | c | 48 | 55 | 7 | 8 | - | - | 7-8 | 7-8 | 2500 |
| | Mildenhall ... | 1019·5 | -14 | N | 5 | pr | 47 | 55 | 8 | 8 | - | - | 9+ | 9+ | 2500 |
| | Cranwell ... | 1020·8 | -14 | N | 5 | pr | 48 | 45 | 8 | 8 | - | - | 7-8 | 9+ | 2500 |
| 3 | Birmingham ... | 1019·5 | -12 | NNW | 3 | c | 46 | 65 | 6 | 5 | - | - | 9+ | 9+ | 4000 |
| | Upper Heyford | 1020·9 | -14 | N | 4 | c | 49 | 55 | 7 | 5 | - | - | 9+ | 9+ | 2500 |
| 4 | Ross-on-Wye | 1021·5 | -10 | N'E | 4 | z$_0$ | 51 | 55 | 6 | 7 | - | - | 4-6 | 4-6 | 4000 |
| 5 | Bristol ... | 1021·5 | -10 | NNE | 4 | c | 51 | 55 | 7 | 4 | - | - | 9 | 9 | 2500 |
| | Portland Bill ... | 1019·8 | -12 | NE | 4 | c | 52 | 65 | 7 | 4 | - | - | 10 | 10 | 2500 |
| | Plymouth ... | 1020·7 | -10 | NE'N | 4 | bc | 55 | 35 | 8 | 4 | - | - | 4-6 | 4-6 | 4000 |
| | The Lizard ... | 1021·3 | 0 | E (red correction) | 4 | bc | 53 | 55 | 8 | 7 | - | - | 2-3 | 2-3 | 4000 |
| | Scilly (St. Mary's) | 1022·0 | +2 | ENE | 3 | b | 55 | 65 | 8 | 2 | - | - | 1 | 1 | 4000 |
| | Guernsey ... | 1020·0 | 0 | NE'E | 5 | b | 51 | 55 | 8 | - | - | - | 0 | 0 | - |
| 6 | Pembroke ... | 1022·6 | +4 | NW | 4 | bc | 53 | 65 | 8 | 5 | - | - | 4-6 | 4-6 | 2500 |
| 7 | Holyhead ... | 1022·6 | -10 | NE | 4 | b | 50 | 65 | 7 | 1 | - | - | Tr | Tr | 2500 |
| | Chester (Sealand) | 1022·5 | -18 | NW | 3 | z$_0$ | 51 | 55 | 6 | 5 | 3 | - | 7-8 | 7-8 | 4000 |
| 8 | Manchester ... | 1021·6 | -22 | NE | 4 | c | 53 | 35 | 8 | 1 | - | - | 7-8 | 7-8 | 4000 |
| 10 | Spurn Head ... | 1020·0 | -8 | N'W | 7 | q | 46 | 65 | 7 | 8 | 2 | - | 4-6 | 7-8 | 800 |
| | Catterick ... | 1023·0 | -6 | NNE | 4 | c | 42 | 65 | 8 | 5 | - | - | 9+ | 9+ | 2500 |
| | Tynemouth ... | 1022·7 | -6 | N | 5 | c/ph | 43 | 75 | 7 | 9 | - | - | 7-8 | 7-8 | 800 |
| 11 | St Abbs Head ... | 1023·9 | +4 | N | 6 | q | 41 | 65 | 9 | 8 | 7 | - | 7-8 | 9+ | 2500 |
| | Leuchars ... | 1025·5 | -4 | N | 3 | bc | 48 | 55 | 8 | 8 | - | - | 4-6 | 4-6 | 4000 |
| 12 | Renfrew (Abbots I.) | 1024·4 | -14 | NNE | 3 | bc | 53 | 35 | 9 | 1 | - | 1 | 2-3 | 2-3 | 5700 |
| | Eskdalemuir ... | 1023·6 | -10 | NNE | 4 | bc | 49 | 35 | 8 | 7 | - | - | 2-3 | 2-3 | 2500 |
| | Point of Ayre ... | 1024·2 | -6 | E | 3 | b | 50 | 85 | 8 | 1 | - | 1 | Tr. | 1 | 4000 |
| 13A | Tiree ... | 1026·6 | -4 | NE'N | 4 | b | 49 | 55 | 8 | 1 | - | 5 | Tr | 1 | 4000 |
| 13B | Stornoway ... | 1028·6 | 0 | NE | 4 | bc | 45 | 65 | 8 | 1 | - | 6 | Tr | 2-3 | 4000 |
| 15 | Dalwhinnie ... | 1026·1 | -14 | NE | 5 | bc | 45 | 45 | 8 | 4 | 6 | - | 1 | 2-3 | 4000 |
| | Aberdeen ... | 1025·1 | 0 | N | 4 | jp | 43 | 65 | 8 | 8 | [illegible] | - | 9+ | 9+ | 2500 |
| | Wick ... | 1027·0 | 0 | N | 6 | c | 42 | 55 | 8 | 5 | 7 | - | 7-8 | 9+ | 1500 |
| 16 | Lerwick ... | 1026·0 | 0 | N | 5 | c | 41 | 65 | 8 | 8 | 7 | - | 7-8 | 9 | 1500 |
| 17 | Blacksod Point | 1025·4 | -6 | NE | 4 | bc | 53 | 75 | 9 | 2 | - | - | 4-6 | 4-6 | 4000 |
| 18 | Malin Head ... | 1026·1 | -2 | NNE | 3 | bc | 49 | 75 | 8 | 1 | 4 | 8 | 1 | 2-3 | 4000 |
| | Aldergrove ... | 1024·5 | -6 | ENE | 2 | bc | 53 | 55 | 8 | 1 | - | - | 2-3 | 2-3 | 2500 |
| 19 | Birr Castle ... | 1024·0 | -8 | SW (red: NNE) | 1 | bc | 56 | 55 | 7 | 1 | - | - | 4-6 | 4-6 | 4000 |
| 20 | Valentia Obsy. † | 1023·4 | -10 | NNE | 3 | bc | 59 | 45 | 8 | 1 | - | 1 | 2-3 | 2-3 | 4000 |
| | Roches Point | 1023·4 | x | S'E | 2 | bc | 54 | 75 | 8 | 1 | - | - | 4-6 | 4-6 | 4000 |

### OBSERVATIONS at 18h. G.M.T. 29th April

| Stations | Barom. at M.S.L. mb. (15) | Change in 3 hours (16) | Wind Direc. (17) | Wind Force 0–12 (18) | Weather (19) | °F. Temp. (20) | % Humid. (21) | Visibility 0–9 (22) | Cloud Form Low (23) | Med. (24) | High (25) | Amount Low 0–10 (26) | Total 0–10 (27) | Height of Base (feet) (28) | State of Ground 0–9 (29) | Sea 0–9 (30) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| London (Kew) | 1018·6 | -4 | NNW | 3 | bc/pr | 44 | 65 | 7 | 5 | - | - | 4-6 | 4-6 | 2500 | 0 | * |
| Croydon | 1018·4 | -6 | N'E | 4 | c/jp | 45 | 55 | 6 | 9 | 6 | - | 7-8 | 9 | 4000 | 0 | * |
| S. Farnborough | 1018·7 | -2 | NE'N | 3 | c | 46 | 55 | 7 | 4 | 3 | - | 4-6 | 7-8 | 4000 | 0 | * |
| Boscombe Down | 1018·3 | -14 | NNE | 3 | bc | 49 | 45 | 7 | 8 | - | - | 4-6 | 4-6 | 2500 | 0 | * |
| Calshot (Sthmtn.) | 1018·4 | -10 | N | 4 | bc | 51 | 35 | 8 | 1 | 6 | - | 4-6 | 4-6 | 4000 | 0 | §2 |
| Lympne | 1017·8 | -6 | N | 5 | bc | 43 | 65 | 8 | 3 | - | - | 4-6 | 4-6 | 2500 | 0 | 3 |
| Manston | 1017·5 | 0 | NNE | 5 | phr$_0$ | 38 | 92 | 7 | 8 (red: 5) | - | - | 9+ | 9+ | 1500 | 1 | * |
| Shoeburyness | 1017·9 | -6 | N'W | 4 | pr$_0$ | 44 | 65 | 8 | 9 | - | 3 | 7-8 | 7-8 | 2500 | 0 | * |
| Felixstowe | 1017·6 | -6 | NNW | 4 | c/phr | 43 | 75 | 8 | 8 | 1 | - | 7-8 | 7-8 | 2500 | 1 | 4 |
| Gorleston | 1016·8 | -10 | NNW | 6 | q | 42 | 75 | 6 | 9 | - | - | 7-8 | 7-8 | 2500 | 1 | 3 |
| Mildenhall | 1018·4 | -2 | N | 5 | c/phr | 42 | 75 | 8 | 8 | 6 | - | 7-8 | 7-8 | 2500 | 1 | * |
| Cranwell | 1019·9 | -6 | N | 6 | c | 44 | 55 | 8 | 8 | - | - | 7-8 | 7-8 | 4000 | 0 | * |
| Birmingham | 1019·7 | -2 | NE | 4 | bc | 46 | 55 | 6 | - | 7 | - | 0 | 4-6 | - | 0 | * |
| Upper Heyford | 1019·9 | -2 | NNE | 4 | c | 44 | 55 | 7 | 7 | - | - | 7-8 | 7-8 | 4000 | 0 | * |
| Ross-on-Wye | 1019·4 | -10 | NE | 4 | c | 50 | 45 | 7 | 8 | - | - | 9+ | 9+ | 2500 | 0 | * |
| Bristol | 1019·0 | -6 | N'E | 3 | z$_0$ | 50 | 55 | 7 | 7 | - | - | 4-6 | 4-6 | 4000 | 0 | * |
| Portland Bill | 1017·9 | -10 | N | 3 | c | 50 | 55 | 7 | 4 | - | - | 7-8 | 7-8 | 2500 | 0 | 3 |
| Plymouth | 1019·0 | -10 | SSE | 2 | c | 50 | 75 | 8 | 5 | - | - | 9 | 9 | 4000 | 0 | 2 |
| The Lizard | 1019·6 | -10 | WSW | 1 | bc | 51 | 65 | 8 | 7 | - | - | 2-3 | 2-3 | 4000 | 0 | 2 |
| Scilly (St. Mary's) | 1020·9 | -6 | NNW | 2 | b | 51 | 65 | 8 | - | - | - | 0 | 0 | - | 0 | 2 |
| Guernsey | 1019·2 | -6 | N'W | 1 | bc | 49 | 65 | 7 | 8 | - | - | 4-6 | 4-6 | 2500 | 0 | 2 |
| Pembroke | 1020·6 | -6 | N'W | 4 | bc | 50 | 85 | 8 | 7 | 4 | - | 2-3 | 4-6 | 2500 | 0 | 1 |
| Holyhead | 1022·1 | -6 | NNE | 4 | b | 48 | 65 | 9 | 7 | - | - | Tr | Tr | 4000 | 0 | 1 |
| Chester (Sealand) | 1021·7 | +2 | NNE | 4 | bc | 49 | 45 | 7 | 7 | - | - | 4-6 | 4-6 | 4000 | 0 | * |
| Manchester | 1021·7 | +4 | N | 4 | c/pr$_0$ (red) | 45 | 55 | 8 | 8 | 3 | - | 4-6 | 7-8 | 4000 | 0 | * |
| Spurn Head | 1018·6 | -8 | NNW | 6 | q | 43 | 85 | 7 | 8 | 8 | - | 2-3 | 4-6 | 1500 | 1 | 4 |
| Catterick | 1022·0 | -6 | N'E | 4 | c/pr | 39 | 75 | 8 | 9 | 7 | - | 7-8 | 9 | 1500 | 0 | * |
| Tynemouth | 1021·1 | -10 | N | 5 | c/phr | 42 | 85 | 8 | 2 | 8 | - | 4-6 | 7-8 | 1500 | 1 | 3 |
| St Abbs Head | 1023·6 | -4 | N | 7 | q | 42 | 55 | 9 | 5 | 6 | 9 | 2-3 | 7-8 | 1500 | 0 | 5 |
| Leuchars | 1025·1 | 0 | NNE | 3 | c | 46 | 55 | 9 | 8 | 4 | - | 7-8 | 7-8 | 4000 | 0 | * |
| Renfrew (Abbots I.) | 1023·7 | +6 | ENE | 4 | b | 51 | 45 | 9 | 1 | - | - | 1 | 1 | 5700 | 0 | * |
| Eskdalemuir | 1023·8 | +2 | NE'N | 4 | c | 43 | 97 | 8 | 8 | - | - | 7-8 | 7-8 | 2500 | 0 | * |
| Point of Ayre | 1023·3 | -6 | NE | 1 | bc | 50 | 55 | 8 | - | 4 | - | 0 | 2-3 | - | 0 | 2 |
| Tiree | 1025·4 | -4 | NNE | 5 | b | 48 | 75 | 9 | 4 | - | - | Tr | Tr | 4000 | 0 | 3 |
| Stornoway | 1028·6 | 0 | NE | 4 | b | 43 | 65 | 8 | 1 | - | - | 1 | 1 | 1000 | 1 | 2 |
| Dalwhinnie | 1026·6 | +2 | NNE | 6 | bc | 40 | 55 | 8 | 4 | 6 | - | 1 | 2-3 | 4000 | 0 | * |
| Aberdeen | 1024·8 | -4 | N | 5 | cjp | 42 | 65 | 8 | 4 | - | - | 9 | 9 | 2500 | 0 | 3 |
| Wick | 1026·8 | -2 | NNE | 6 | c | 42 | 65 | 8 | 5 | 7 | - | 7-8 | 9+ | 1500 | 1 | 3* |
| Lerwick | 1026·0 | 0 | NNE | 6 | c | 41 | 75 | 8 | 8 | 7 | - | 7-8 | 9 | 1500 | 0 | |
| Blacksod Point | 1024·4 | -14 | NE | 4 | b | 51 | 75 | 9 | - | - | - | 0 | 0 | - | 0 | 3 |
| Malin Head | 1025·2 | -8 | NNE | 3 | b | 48 | 75 | 8 | - | - | - | 0 | 0 | - | 0 | 2 |
| Aldergrove | 1023·6 | -2 | NE'E | 4 | b | 52 | 45 | 8 | 1 | - | - | Tr | Tr | 2500 | 0 | * |
| Birr Castle | 1022·2 | -8 | NE | 1 | bc | 57 | 55 | 8 (red: 7) | 1 | - | - | 4-6 | 4-6 | 4000 | 0 | * |
| Valentia Obsy. † | 1021·9 | -6 | NE | 4 | bc | 57 | 45 | 8 | 1 | - | 4 | Tr | 2-3 | 4000 | 0 | 1 |
| Roches Point | 1021·[illegible] | x | SW | 3 | bc | 55 | 65 | 8 | 1 | - | - | 4-6 | 4-6 | 4000 | 0 | 1 |

### PAST 24 HOURS. — WEATHER.

| Stations | 7h.—13h. 29th (37) | 13h.—18h. 29th (38) | 18h 29th to 1h. 30th (39) | 1h.—7h. 30th (40) |
|---|---|---|---|---|
| London (Kew) | bcz$_0$cbc | bcpr$_0$bc | bcb | bcz$_0$ |
| Croydon | cz$_0$ypr$_0$ | cpr$_0$z$_0$y | cpr$_0$bz$_0$ | cir$_0$cpr$_0$ |
| S. Farnborough | b,cbc | bcpr$_0$cy | bcbm$_0$ | b,cir$_0$ |
| Boscombe Down | bm$_0$bcc | cz$_0$ybcy | bcyc,b (red) | bccm$_0$ |
| Calshot (Sthmtn.) | bbccy | bccybcy | bcyb | bccpr$_0$c |
| Lympne | bccprbc | cyphr | bcph$_0$b | bcor$_0$r$_0$ |
| Manston | bcpr$_0$qc | cpr$_0$phqc | phqbcpr$_0$ | cPRr$_0$r$_0$ |
| Shoeburyness | qphr$_0$cy | cpr$_0$h$_0$y | bcpr$_0$b | bbcpr |
| Felixstowe | bcphqcy | cphqc | bcbbc | cpr$_0$bc |
| Gorleston | cpr$_0$ps$_0$c | cphr$_0$cq | circq | cprbcq |
| Mildenhall | prprhc | bcprhcqprh | pr$_0$bcr$_0$ir | rrqpr$_0$bc |
| Cranwell | bccpr$_0$y | cpr$_0$qbc | cpr$_0$qbc | PR cbc |
| Birmingham | c | cbc | b,c | b,c |
| Upper Heyford | cz$_0$c | cz$_0$ycy | bcbm$_0$ | r$_0$pr$_0$ |
| Ross-on-Wye | cz$_0$cybcc | bcycy | bcybz$_0$ | b,cbcc |
| Bristol | bccy | cbcm$_0$ | bccb | bbccr$_0$ |
| Portland Bill | bcc | c | cbc | bcc |
| Plymouth | bbcvy | bcuyc | cbccpr$_0$b | bvb |
| The Lizard | bcy | bc | bc | bc |
| Scilly (St. Mary's) | bbc | bcb | bbcb | bbcc |
| Guernsey | cbcb | bb- | bc | bcc |
| Pembroke | bc | b | bcb | bc |
| Holyhead | cb | by | b | b,c |
| Chester (Sealand) | cmm$_0$r$_0$ | cz$_0$ybc | bcyz$_0$b | bbcz$_0$ |
| Manchester | cfir$_0$cy | cybcypr$_0$ | b | b |
| Spurn Head | cprq | prqbc | prq | cq |
| Catterick | cbccy | ycpr$_0$q | cpr$_0$bc | bccbc |
| Tynemouth | bccprh | cprhc | cprhc | c |
| St Abbs Head | cq | cqy | cprbc | pr$_0$c |
| Leuchars | cbcy | bccy | cybwx | bxbc |
| Renfrew (Abbots I.) | bcbvy | bcy | b | bbc |
| Eskdalemuir | bbc | bcy | cybc | bcprsb |
| Point of Ayre | bcb | bbc | bcb | cbc |
| Tiree | b | b | bw | bc |
| Stornoway | bc | bcb | bbc | bc |
| Dalwhinnie | bc | bc | | bcc |
| Aberdeen | cpr$_0$h$_0$ | cpr$_0$hy | cpr$_0$ | pr$_0$bc |
| Wick | cyq | c | cpr$_0$c | pr$_0$c |
| Lerwick | c | cpr$_0$ | c | cpr$_0$ |
| Blacksod Point | bc | b | b | b |
| Malin Head | bc | bcb | bc | bc |
| Aldergrove | bxbcy | bcy | bybx | bxb |
| Birr Castle | bcy | bcy | bcb | b |
| Valentia Obsy. † | cwbcy | bcy | b | bbcy |
| Roches Point | bc | bc | bc | bcb |

## EXPLANATION OF FIGURES, LETTERS AND SYMBOLS.

### COLUMNS 5, 19, 37, 38, 39, 40—BEAUFORT NOTATION AND SYMBOLS FOR WEATHER.

b, blue sky (not more than a quarter covered with cloud).
bc, sky partly cloudy (one half covered). c, generally cloudy.
d, drizzle. e, wet air. g, gloom.
f, fog, visibility 220–1100 yds.
F, thick fog ,, less than 220 yds.
fs, low fog over sea (coast station).
fg, low fog over land (inland station).
m. mist, visibility 1100–2200 yds.
h, hail. i, intermittent.
if, fog at a distance, but not at station.
jp, precipitation within sight of station.
ks, storm of drifting snow.
k/s$_0$, slight storm of drifting snow (generally low).
k/S, heavy storm of drifting snow (generally low).
s$_0$/k, slight storm of drifting snow (generally high).
S/k, heavy storm of drifting snow (generally high).
KQ, line squall. l, lightning.
o, overcast sky. p, passing showers.
q, squalls. r, rain. s, snow.
rs, sleet. t, thunder.
u, ugly, threatening sky.
v, unusual visibility. w, dew.
x, hoar frost. y, dry air.
z, dust haze: the turbid atmosphere of dry weather.
h(r), "hail" or "rain and hail."
Capital letters indicate intense; suffix o indicates slight; repetition of letters indicates continuity: thus R, heavy rain. r$_0$, slight rain. rr, continuous rain.
<, less than (for cloud height).
⊕, Solar halo. ⏀ lunar halo. gale.
With present weather is combined, whenever possible, the general character of the weather.
A "solidus" divides actual existing weather from preceding conditions thus:—bc/r, fair weather after rain; —, has decreased; +, has increased.

### COLUMNS 9, 23.—FORM OF LOW CLOUD.

0 No low clouds.
1 Fair weather Cu.
2 Large Cu without anvil.
3 Cb.
4 Sc formed by the spreading out of Cu.
5 Layer of St or Sc.
6 Ragged low clouds of bad weather (or fractonimbus).
7 Fair weather Cu. and Sc.
8 Large-Cu (or Cb) and Sc.
9 Large-Cu (or Cb) and ragged low clouds of bad weather.

### COLUMNS 12, 13, 26, 27.

The figures in these columns indicate the number of tenths of the sky covered by low cloud and all forms of cloud respectively. An entry "4–6" means that the cloud amount may be 4, 5 or 6; similarly for other grouped entries. "tr" signifies a small amount of cloud (trace) covering less than 1/20 of the sky. "9+" signifies an overcast sky with a few small openings.

### COLUMNS 10, 24.—FORM OF MEDIUM CLOUD.

0 No medium clouds.
1 Typical As (thin).
2 Typical As (thick) (sun or moon invisible), or Nimbostratus (Ns).
3 Single layer of Ac or high Sc.
4 Ac in isolated patches. Individually decreasing (often lenticular).
5 Ac in bands (increasing).
6 Ac formed from the spreading out of Cu.
7 Ac associated with As or As with parts resembling Ac.
8 Ac Castellatus (or Ac in ragged fragments).
9 Ac in several layers generally associated with fibrous veils and a chaotic appearance of the sky.

### COLUMNS 11, 25.—FORM OF CIRRUS CLOUD.

0 No cirriform cloud.
1 Fine Ci not increasing: sparse.
2 Fine Ci not increasing: abundant but not a continuous layer.
3 Anvil Ci (usually dense).
4 Fine Ci increasing: usually in tufts.
5 Ci or Cs increasing: still below 45° altitude: often in polar bands.
6 Ci or Cs increasing and reaching above 45° altitude: often in polar bands.
7 Veil of Cs covering whole sky.
8 Cs not increasing and not covering whole sky.
9 Cc predominating, and a little cirrus.
(Cc may occur with any of the types 1 to 8).

Cloud form abbreviations:— Cirrus,–Ci: Cirrocumulus,–Cc: Cirrostratus,–Cs: Altocumulus,–Ac: Altostratus,–As: Stratocumulus,–Sc: Stratus,–St: Nimbostratus,–Ns: Cumulus,–Cu: Cumulonimbus,–Cb

### COLUMN 29.—STATE OF GROUND.

0 .. Ground dry.
1 .. ,, wet.
2 .. ,, flooded.
3 .. ,, frozen hard and dry.
4 .. ,, partly covered with snow or hail.
5 .. ,, covered with ice or glazed frost.
6 .. Ground covered with thawing snow.
7 .. ,, covered with snow, less than 6 ins., deep but ground not frozen.
8 .. ,, covered with snow, less than 6 ins., but ground frozen.
9 .. ,, covered with snow greater than 6 ins. deep.

NOTE.—*The accuracy of individual entries in this Report cannot be guaranteed. Corrections and additions can be obtained, if necessary, on application to the Meteorological Office, London, W.C.2.*

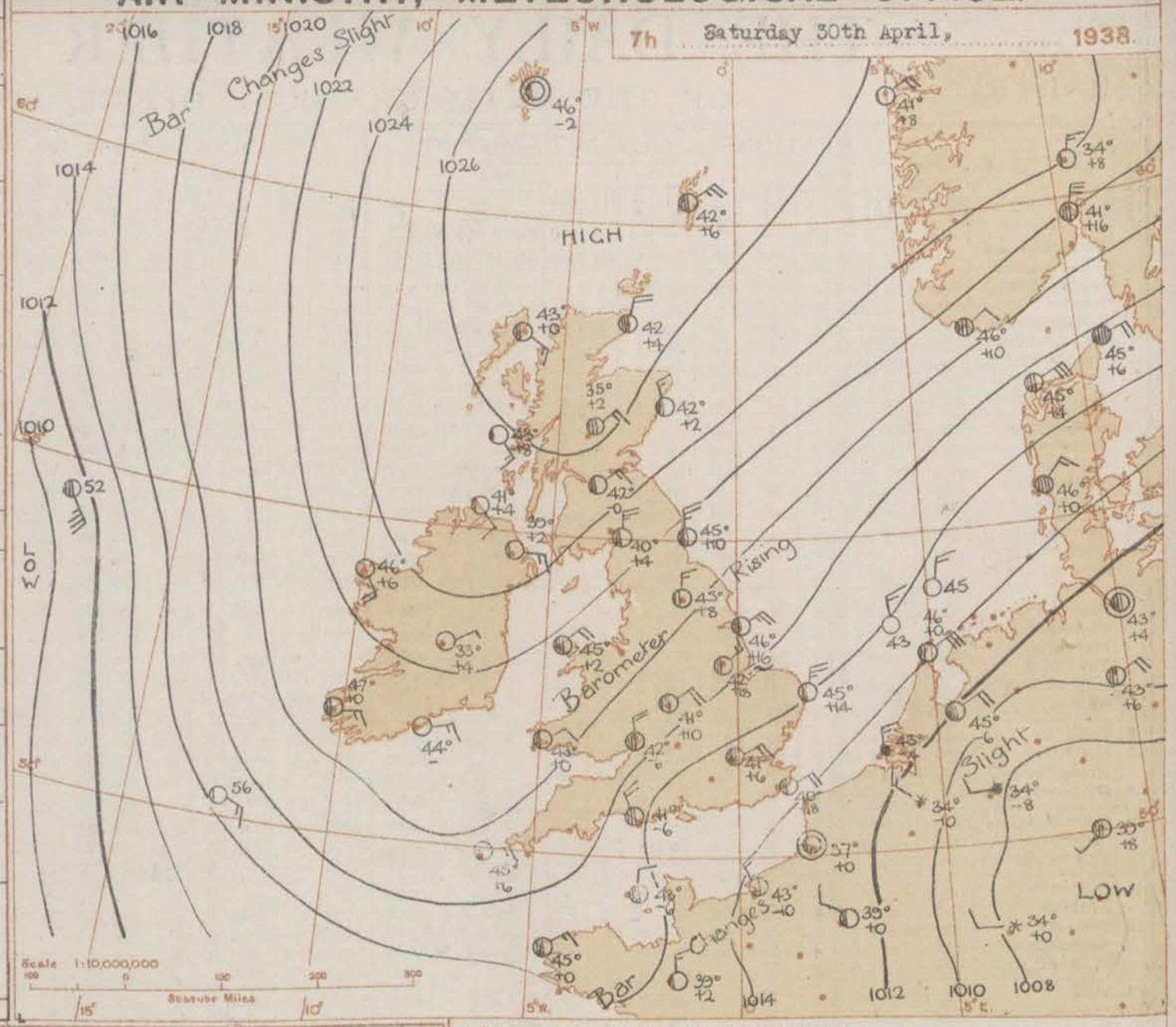
§ disturbance reported from Dungeness.

## REPORTS from HEALTH RESORTS for 29th April 1938.

| Districts. | Stations. | Weather. Forenoon. | Weather. Afternoon. | Temperature. (°F.) Min. 9h. 28th to 9h. 29th | Temperature. (°F.) Max. 9h.—17h. 29th | Rainfall. (mm.) Night. 17h. 28th to 9h. 29th | Rainfall. (mm.) Day. 9h.—17h. 29th | Sunshine. (Hrs.) Sunrise to 17h. 29th | Sunshine. (Hrs.) Sunrise to Sunset. 25th |
|---|---|---|---|---|---|---|---|---|---|
| 1 | Tunbridge W. | cbcp | bcc | 36 | 52 | - | Trace | 5·8 | 4·6 |
| | Bournemouth | b | bbcb | 36 | 57 | - | - | 9·2 | 8·5 |
| | Ventnor ... | xbbc | bcb | 40 | 55 | - | - | 9·9 | 10·3 |
| | Southsea ... | bcb | b | 39 | 56 | - | - | 10·0 | 9·2 |
| | Bognor Regis | bbc | bc | 39 | 54 | - | - | 8·9 | 8·8 |
| | Littlehampton | bc | bc | 39 | 56 | - | - | 10·5 | 9·2 |
| | Worthing ... | bbc | bcbbc | 40 | 54 | - | - | 11·0 | 9·7 |
| | Brighton ... | bbc | bcbbc | 40 | 54 | - | - | 9·7 | 9·4 |
| | Eastbourne† ... | bcybc | pbcy | 40 | 54 | - | Trace | 8·3 | 7·4 |
| | Hastings† ... | cpp | cpbc | 39 | 52 | - | 1 | 7·6 | 8·5 |
| | Folkestone ... | cdcbc | cotta | 40 | 51 | 2 | 0·5 | 6·8 | 9·5 |
| | Dover ... | bccp | cpohr | 42 | 50 | 0·3 | 1 | 5·2 | 7·5 |
| | Deal ... ... | bcch | bcir | 43 | 52 | - | 1 | 5·8 | 7·9 |
| | Ramsgate ... | cbcpc | cpc | 47 | 49 | 0·5 | 1 | 8·5 | 9·8 |
| | Margate ... | bcprh | bcpc | 43 | 47 | - | 2 | 8·0 | 10·4 |
| 2 | Southend ... | circ | cric | 37 | 51 | Trace | Trace | 5·7 | 5·0 |
| | Clacton-on-Sea | cbcc | cprsc | 37 | 50 | Trace | 0·2 | 4·9 | 10·5 |
| | Dovercourt ... | bchq | bchq | 38 | 50 | Trace | Trace | 6·7 | 9·3 |
| | Lowestoft ... | bcirh | cbcph | 37 | 53 | 0·1 | 1 | 6·7 | 5·6 |
| | Skegness ... | bcpbc | phrb | 35 | 48 | 1 | 0·3 | 5·1 | 4·4 |
| | Mablethorpe... | bcpbc | bcp | 37 | 48 | Trace | Trace | 7·9 | 4·1 |
| | Cleethorpes ... | bcc | crhbc | 40 | 47 | 0·5 | 0·5 | 4·4 | 4·2 |
| 3 | Leamington S. | c | c | 35 | 53 | - | - | 4·7 | 6·3 |
| 4 | Cheltenham† | mc | cbcc | 46 34 | 53 | - | - | 3·4 | 6·8 |
| 5 | Bath ... ... | bbc | bcc | 30 | 53 | - | - | 7·1 | 8·4 |
| | Weymouth ... | b | bcc | 39 | 55 | - | - | 8·0 | 8·5 |
| | Jersey ... | bc | bcb | 45 | 55 | - | - | 9·8 | 13·1 |
| | Torquay ... | byb | bbcy | 41 | 55 | - | - | 9·0 | 11·1 |
| | Falmouth | b | b | 42 | 55 | - | - | 11·1 | 11·4 |
| | Penzance ... | b | bbcb | 44 | 57 | - | - | 9·2 | 11·1 |
| | St. Ives ... | b | b | 43 | 59 | - | - | 10·2 | 9·4 |
| | Bude... ... | bcb | b | 38 | 59 | - | - | 11·2 | 11·1 |
| | Ilfracombe ... | cbcb | bbcc | 46 | 54 | - | - | 10·4 | 10·8 |
| 6 | Aberystwyth | cbc | bc | 35 | 53 | - | - | 3·9 | 6·6 |
| 7 | Llandudno ... | cbcb | b | 41 | 51 | - | - | 6·6 | 9·8 |
| | Colwyn Bay... | cbcb | bcb | 40 | 54 | - | - | 5·9 | 9·6 |
| | Rhyl ... ... | cm | cbcb | 36 | 52 | - | - | 5·0 | 6·8 |
| 8 | Wallasey ... | cc | cbc | 38 | 52 | - | - | 5·1 | 1·3 |
| | Southport ... | cbcc | bcybc | 34 | 56 | Trace | - | 5·8 | 2·6 |
| | Blackpool ... | cpcb | c | 34 | 53 | - | - | 6·6 | 4·6 |
| | Morecambe ... | bbc | bbc | 38 | 52 | - | - | 9·9 | 6·0 |
| 9 | Ilkley... ... | b | b | 30 | 50 | - | - | 7·7 | 3·7 |
| | Harrogate ... | bbc | bcc | 35 | 47 | - | - | 6·1 | 4·5 |
| 10 | Berwick-on-T. | c | cbcc | 40 | 45 | Trace | - | 2·8 | 8·5 |
| 11 | Dunbar ... | bc | cm | 41 | 48 | - | - | 2·6 | 5·0 |
| 12 | Troon... ... | bcbbc | bbcb | 39 | 54 | - | - | 8·0 | 6·2 |
| | Douglas ... | bc | b | 41 | 51 | - | - | 8·3 | 7·3 |

† Max. Temp. for period 21h. yesterday to 17h. to-day: Min. Temp. 21h.–9h.

# AIR MINISTRY, METEOROLOGICAL OFFICE.




BAROMETER. Isobars are drawn for intervals of two millibars.
WIND, WEATHER SYMBOLS. For explanation see opposite page.
SEA DISTURBANCE. Rough. High.
BAROMETRIC CHANGE from 4h. to 7h. in tenths of millibars is entered beneath the temperature.

| Districts. | FORECASTS FOR THE 24 HOURS COMMENCING 12 NOON, G.M.T. 30th April, 1938. |
|---|---|
| 1 S.E. England<br>2 E. England ...<br>3 E. Midlands ... | Moderate or fresh northeast wind; bright periods but showers of hail or rain; cold, ground frost inland at night |
| 4 W. Midlands ...<br>5 S.W. England<br>6 South Wales ...<br>7 North Wales ...<br>8 N.W. England<br>9 N. Midlands ... | Moderate northeast wind; fine, rather cold, ground frost at night. |
| 10 N.E. England<br>11 S.E. Scotland | As 1 - 3. |
| 12 S.W. Scotland & Isle of Man<br>13 A. W. Scotld. / B.N.W.Scotland.<br>14 Mid Scotland | Moderate east wind; fine; average temperature. |
| 15 N. E. Scotland<br>16 Orkney and Shetland | As 1 - 3. |
| 17 N. W. Ireland<br>18 N. E. Ireland<br>19 S. E. Ireland<br>20 S. W. Ireland | As 12 - 14. |

RAW

H.M. Stationery Office Press, Kingsway, W.C.2.

### GENERAL INFERENCE.

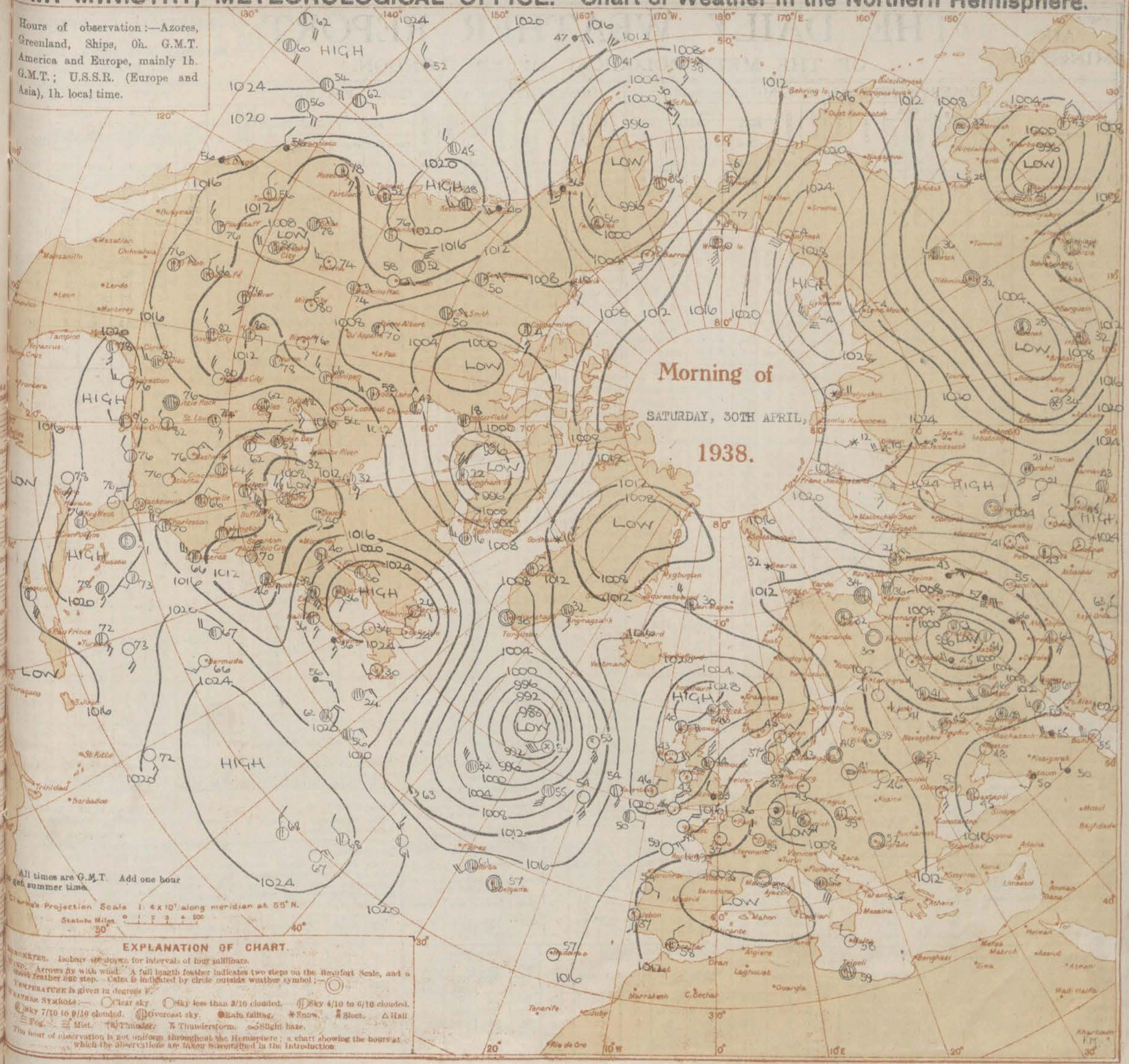
An anticyclone off the north of Scotland is almost stationary. Winds will be northeasterly and weather fair apart from hail or rain showers near the east coast of England and Scotland. Temperature will be rather low for the time of year and ground frosts are probable.

### FURTHER OUTLOOK.

Little change.

Forecasts issued at 1000 G.M.T. GEORGE C. SIMPSON, K.C.B., D.Sc., F.R.S., Director.

# AIR MINISTRY, METEOROLOGICAL OFFICE. Chart of Weather in the Northern Hemisphere.



AIR MINISTRY.

# THE DAILY WEATHER REPORT

## OF THE METEOROLOGICAL OFFICE, LONDON.

BRITISH SECTION

Saturday 30th April, 1938.

No. 27918.

### OBSERVATIONS at 1 hr. G.M.T. 30th April

| District | Stations | Height above M.S.L. in feet | Barom. at M.S.L. mb. (1) | Change in 3 hours (2) | Wind Direc. (3) | Wind Force 0–12 (4) | Weather (5) | Temp. °F. (6) | Humid. % (7) | Visibility 0–9 (8) | Cloud Form Low (9) | Cloud Form Med. (10) | Cloud Form High (11) | Cloud Amount Low 0–10 (12) | Cloud Amount Total 0–10 (13) | Height of Base (feet) (14) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | London (Kew) | 18 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Croydon ... | 217 | 1017·1 | -10 | NW | 2 | ir. | 39 | 75 | 7 | 5 | - | - | 7-8 | 10 | 1500 |
| | S. Farnborough | 226 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Boscombe Down | 417 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Calshot (Sthmtn.) | 8 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Lympne ... | 348 | 1014·7 | -22 | NW | 3 | c/pr | 36 | 85 | 8 | 4 | - | - | 7-8 | 7-8 | 2500 |
| | Manston ... | 142 | 1013·3 | -2.6 | NW'N | 4 | pr | 39 | 85 | 8 | 8 | - | - | 7-8 | 7-8 | 1500 |
| 2 | Shoeburyness... | 11 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Felixstowe ... | 15 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Gorleston ... | 5 | 1012·4 | -16 | NNE | 6 | c | 42 | 85 | 7 | 3 | - | - | 3 | 3 | 2500 |
| | Mildenhall ... | 19 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Cranwell ... | 240 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 3 | Birmingham ... | 535 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Upper Heyford | 408 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 4 | Ross-on-Wye | 223 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 5 | Bristol ... | 200 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Portland Bill ... | 32 | 1017·6 | -6 | ENE | 3 | bc | 40 | 65 | 7 | 4 | - | - | 2-3 | 2-3 | 2500 |
| | Plymouth ... | [illegible] | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | The Lizard ... | 249 | 1017·3 | -6 | N'E | 3 | bc | 43 | 92 | 8 | 4 | - | - | 4-6 | 4-6 | 2500 |
| | Scilly (St. Mary's) | 163 | 1019·1 | -8 | N'E | 4 | b | 46 | 85 | 8 | - | - | - | 0 | 0 | - |
| | Guernsey .. | 175 | 1018·2 | -4 | NE'N | 3 | bc | 45 | 65 | 6 | 8 | - | - | 4-6 | 4-6 | 2500 |
| 6 | Pembroke ... | 142 | 1020·2 | +2 | NE'E | 3 | b | 40 | 75 | 8 | - | - | - | 0 | 0 | - |
| 7 | Holyhead ... | 26 | 1021·7 | -10 | NE'E | 4 | b | 43 | 65 | 8 | 1 | - | - | 1 | 1 | 4000 |
| | Chester (Sealand) | 16 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 8 | Manchester ... | 70 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 10 | Spurn Head ... | 29 | 1015·3 | -14 | NE | 5 | PRS | 39 | 92 | 7 | 8 | - | - | 7-8 | 7-8 | 450 |
| | Catterick ... | 175 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Tynemouth ... | 108 | 1020·4 | -4 | N | 6 | c | 44 | 75 | 8 | 3 | - | - | 3 | 3 | 800 |
| 11 | St Abbs Head .. | 280 | 1022·8 | -2 | N | 6 | bc/pr | 41 | 85 | 8 | 3 | 7 | - | 2-3 | 4-6 | 1500 |
| | Leuchars ... | 36 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 12 | Renfrew (Abbotsl.) | 19 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Eskdalemuir ... | 794 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Point of Ayre... | 30 | 1023·0 | -4 | E'N | 5 | b | 43 | 65 | 8 | - | 4 | - | 0 | Tr | - |
| 13A | Tiree ... ... | 22 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 13B | Stornoway ... | 80 | 1027·7 | -6 | ENE | 4 | bc | 40 | 75 | 8 | 5 | - | - | 4-6 | 4-6 | 4000 |
| 15 | Dalwhinnie ... | 1176 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Aberdeen ... | 79 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| | Wick ... | 81 | 1026·5 | -4 | N | 5 | c | 41 | 65 | 8 | 5 | 7 | - | 7-8 | 9+ | 1500 |
| 16 | Lerwick ... | 156 | 1026·0 | 0 | NE | 6 | c | 40 | 75 | 8 | 5 | 3 | - | 4-6 | 7-8 | 1500 |
| 17 | Blacksod Point | 18 | 1022·2 | -8 | NE | 4 | b | 45 | 92 | 8 | - | - | - | 0 | 0 | - |
| 18 | Malin Head ... | 84 | 1023·9 | -8 | NE'E | 4 | b | 43 | 85 | 8 | - | - | - | 0 | 0 | - |
| | Aldergrove ... | 268 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 19 | Birr Castle ... | 173 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 20 | Valentia Obsy † | 30 | 1021·1 | -6 | NE | 2 | b | 46 | 97 | 8 | - | - | - | 0 | 0 | - |
| | Roches Point | 22 | * | * | * | * | * | * | * | * | * | * | * | * | * | * |

### OBSERVATIONS at 7 hr. G.M.T. 30th April

| Stations | Barom. at M.S.L. mb. (15) | Change in 3 hours (16) | Wind Direc. (17) | Wind Force 0–12 (18) | Weather (19) | Temp. °F. (20) | Humid. % (21) | Visibility 0–9 (22) | Cloud Form Low (23) | Cloud Form Med. (24) | Cloud Form High (25) | Cloud Amount Low 0–10 (26) | Cloud Amount Total 0–10 (27) | Height of Base (feet) (28) | State of Ground 0–9 (29) | Sea 0–9 (30) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| London (Kew) | 1015·2 | +14 | NNE | 4 | $z_o$ | 42 | 75 | 6 | 7 | - | - | 4-6 | 4-6 | 2500 | 0 | * |
| Croydon ... | 1014·8 | +6 | NE'E | 3 | bc/pr | 41 | 85 | 6 | 2 | - | 3 | 4-6 | 4-6 | 1500 | 1 | * |
| S. Farnborough | 1015·6 | +6 | NE'N | 4 | c | 41 | 75 | 8 | 5 | - | - | 9+ | 9+ | 1500 | 0 | * |
| Boscombe Down | 1016·1 | -6 | N | 5 | $z_o$ | 40 | 75 | 6 | 5 | - | - | 7-8 | 7-8 | 2500 | 0 | * |
| Calshot (Sthmtn.) | 1015·4 | -4 | NNW | 5 | c | 41 | 75 | 7 | 8 | 4 | - | 9 | 9 | 1500 | 0 | 2 |
| Lympne ... | 1014·1 | +18 | ENE | 4 | bc | 40 | 85 | 8 | 5 | 4 | 5 | 4-6 | 4-6 | 1500 | 1 | 3 |
| Manston ... | 1013·8 | +26 | NE'E | 4 | c | 42 | 75 | 8 | 8 | - | - | 7-8 | 7-8 | 1500 | 1 | * |
| Shoeburyness... | 1014·9 | +30 | NNE | 5 | c/pr | 44 | 65 | 8 | 8 | - | - | 7-8 | 7-8 | 4000 | 1 | * |
| Felixstowe ... | 1014·9 | +20 | NE'N | 4 | bc/pr | 44 | 65 | 8 | 8 | - | 3 | 2-3 | 4-6 | 2500 | 1 | 3 |
| Gorleston ... | 1016·4 | +14 | N'E | 5 | bc | 45 | 65 | 7 | 8 | - | - | 4-6 | 4-6 | 2500 | 1 | 3 |
| Mildenhall ... | 1015·4 | +12 | N | 3 | bc | 41 | 92 | 8 | 8 | 6 | - | 1 | 1 | 2500 | 1 | * |
| Cranwell ... | 1018·4 | +18 | NE | 3 | bc | 42 | 85 | 8 | 4 | - | - | 4-6 | 4-6 | 2500 | 1 | * |
| Birmingham ... | 1018·9 | +10 | NE | 4 | c | 41 | 85 | 6 | 8 | - | - | 7-8 | 7-8 | 1500 | 0 | * |
| Upper Heyford | 1017·5 | +10 | NE | 4 | c/pr | 40 | 85 | 7 | 5 | 4 | 9 | 9 | 9 | 1500 | 1 | * |
| Ross-on-Wye | 1018·3 | +6 | N | 4 | c | 42 | 75 | 7 | 5 | - | - | 9+ | 9+ | 2500 | 0 | * |
| Bristol ... | 1018·0 | +2 | N'E | 4 | ir. | 40 | 75 | 7 | 5 | - | - | 9+ | 9+ | 1500 | 0 | * |
| Portland Bill ... | 1015·6 | -6 | NNW | 4 | c | 41 | 85 | 7 | 2 | - | - | 7-8 | 7-8 | 2500 | 0 | 3 |
| Plymouth ... | 1018·3 | 0 | WNW | 3 | b | 40 | 65 | 8 | 5 | 3 | - | Tr | Tr | 4000 | 0 | 1 |
| The Lizard ... | 1018·1 | +6 | NNE | 3 | bc | 42 | 65 | 8 | 7 | - | - | 2-3 | 2-3 | 4000 | 0 | 1 |
| Scilly (St. Mary's) | 1018·9 | +6 | E'N | 3 | bc | 45 | 65 | 7 | 2 | - | - | 4-6 | 4-6 | 2500 | 0 | 2 |
| Guernsey .. | 1016·8 | -6 | N'E | 2 | c | 43 | 75 | 7 | 8 | - | - | 9 | 9 | 2500 | 0 | 3 |
| Pembroke ... | 1020·7 | 0 | NE | 2 | bc | 43 | 75 | 8 | 8 | 6 | - | 4-6 | 4-6 | 2500 | 0 | 0 |
| Holyhead ... | 1021·6 | +2 | NE'N | 4 | c | 45 | 75 | 8 | 8 | - | - | 9+ | 9+ | 4000 | 0 | 2 |
| Chester (Sealand) | 1020·7 | +14 | NNW | 3 | $z_o$ | 44 | 75 | 6 | 5 | - | - | 4-6 | 4-6 | 1500 | 0 | * |
| Manchester ... | 1019·8 | +10 | NE | 4 | b | 44 | 75 | 7 | 1 | 4 | - | 1 | 1 | 4000 | 0 | * |
| Spurn Head ... | 1018·5 | +16 | NE | 5 | bc | 46 | 75 | 7 | 4 | - | - | 4-6 | 4-6 | 2500 | 1 | 4 |
| Catterick ... | 1021·0 | +8 | N'E | 3 | bc | 45 | 75 | 7 | 8 | - | - | 4-6 | 4-6 | 2500 | 0 | * |
| Tynemouth ... | 1021·0 | +10 | N | 5 | c | 45 | 85 | 7 | 9 | - | - | 7-8 | 7-8 | 800 | 0 | 3 |
| St Abbs Head .. | 1023·2 | +4 | N | 4 | c/pr | 42 | 85 | 8 | 3 | 7 | - | 4-6 | 9+ | 2500 | 0 | 3 |
| Leuchars ... | 1024·9 | +4 | N | 2 | bc | 42 | 75 | 8 | 5 | 3 | - | 2-3 | 4-6 | 4000 | 0 | * |
| Renfrew (Abbotsl.) | 1024·6 | 0 | NE | 3 | bc | 42 | 65 | 9 | 5 | - | - | 2-3 | 2-3 | 4000 | 0 | * |
| Eskdalemuir ... | 1022·9 | +4 | NNE | 5 | bc | 40 | 75 | 8 | 8 | - | 1 | 2-3 | 2-3 | 2500 | 0 | * |
| Point of Ayre... | 1023·1 | +2 | ENE | 4 | bc | 44 | 75 | 8 | 1 | - | - | 2-3 | 2-3 | 4000 | 0 | 3 |
| Tiree ... ... | 1025·1 | +8 | SE | 3 | b | 43 | 65 | 9 | 7 | - | - | Tr | Tr | 4000 | 0 | 2 |
| Stornoway ... | 1027·0 | 0 | ESE | 3 | bc | 43 | 65 | 9 | 1 | 7 | - | 4-6 | 4-6 | 4000 | 1 | 2 |
| Dalwhinnie ... | 1026·9 | +2 | NE | 3 | c | 35 | 85 | 7 | 4 | 6 | - | 4-6 | 9 | 2500 | 0 | * |
| Aberdeen ... | 1024·8 | +2 | NW | 3 | jp | 42 | 85 | 8 | 8 | - | - | 2-3 | 2-3 | 2500 | 0 | 1 |
| Wick ... | 1026·4 | +4 | NNE | 4 | c | 42 | 75 | 8 | 5 | 7 | - | 7-8 | 9+ | 1500 | 1 | 2 |
| Lerwick ... | 1026·7 | +6 | NE | 5 | c | 42 | 85 | 8 | 8 | 7 | - | 7-8 | 9+ | 1500 | 0 | * |
| Blacksod Point | 1022·0 | +6 | SE'S | 4 | b | 46 | 85 | 8 | - | - | - | 0 | 0 | - | 0 | 4 |
| Malin Head ... | 1024·5 | +4 | SE | 2 | b | 41 | 75 | 8 | 7 | - | - | 1 | 1 | 4000 | 0 | 2 |
| Aldergrove ... | 1024·5 | +2 | E | 3 | b | 39 | 75 | 7 | 5 | - | - | Tr | Tr | 2500 | 0 | * |
| Birr Castle ... | 1023·0 | +4 | ENE | 1 | b | 33 | 97 | 7 | - | - | - | 0 | 0 | - | 0 | * |
| Valentia Obsy † | 1020·8 | 0 | E'N | 3 | bc | 47 | 55 | 8 | 5 | - | 1 | 2-3 | 2-3 | 5700 | 0 | 1 |
| Roches Point | 1021·8 | * | E'N | 3 | b | 44 | 75 | 8 | - | - | - | 0 | 0 | - | 0 | 1 |

### PAST 24 HOURS.

| Stations | Temperature Max. Day 7h–18h °F. (31) | Temperature Min. Night 18h–7h °F (32) | Temperature Min. on Grass °F. (33) | Rainfall Day 7h–18h mm. (34) | Rainfall Night 18h–7h mm. (35) | Sunshine 29th Hrs. (36) |
|---|---|---|---|---|---|---|
| London (Kew) | 51 | 36 | 30 | Tr | - | 8·1 |
| Croydon ... | 51 | 37 | 35 | Tr | 0·1 | 3·8 |
| S. Farnborough | 52 | 34 | 26 | Tr | Tr | 8·7 |
| Boscombe Down | 52 | 32 | 28 | - | - | 8·5 |
| Calshot (Sthmtn.) | 55 | 37 | 34 | - | Tr | 9·7 |
| Lympne ... | 48 | 35 | 31 | 0·2 | 1 | 7·7 |
| Manston ... | 50 | 37 | 35 | 2 | 3 | 6·9 |
| Shoeburyness... | 54 | 37 | 32 | Tr | 1 | 6·6 |
| Felixstowe ... | 52 | 36 | 32 | 0·5 | 2 | 7·2 |
| Gorleston ... | 48 | 38 | 37 | 1 | 4 | 6·3 |
| Mildenhall ... | 50 | 36 | 31 | 0·6 | 2 | 6·1 |
| Cranwell ... | 49 | 37 | 33 | Tr | 2 | 4·9 |
| Birmingham ... | 50 | 34 | 31 | - | - | 2·2 |
| Upper Heyford | 51 | 34 | 29 | - | Tr | * |
| Ross-on-Wye | 53 | 35 | 27 | - | - | 4·7 |
| Bristol ... | 53 | 32 | 23 | - | Tr | 6·4 |
| Portland Bill ... | 56 | 35 | * | - | - | * |
| Plymouth ... | 58 | 38 | 34 | - | Tr | 8·9 |
| The Lizard ... | 55 | 39 | * | - | - | * |
| Scilly (St. Mary's) | 55 | 43 | * | - | - | 12·7 |
| Guernsey .. | 52 | 40 | 34 | - | - | 9·3 |
| Pembroke ... | 55 | 34 | * | - | - | 12·9 |
| Holyhead ... | 53 | 42 | 37 | - | - | 9·1 |
| Chester (Sealand) | 54 | 35 | 29 | - | - | 4·8 |
| Manchester ... | 54 | 36 | 29 | Tr | - | 5·7 |
| Spurn Head ... | 48 | 39 | * | 0·3 | 2 | 7·3 |
| Catterick ... | 46 | 37 | 34 | Tr | 0·3 | 5·1 |
| Tynemouth ... | 44 | 41 | 37 | 2 | 0·2 | 7·5 |
| St Abbs Head .. | 43 | 40 | * | - | Tr | * |
| Leuchars ... | 52 | 36 | 30 | - | - | 7·5 |
| Renfrew (Abbotsl.) | 55 | 35 | 27 | - | - | 12·3 |
| Eskdalemuir ... | 50 | 35 | 32 | - | 0·3 | 11·6 |
| Point of Ayre... | 53 | 40 | * | - | - | 9·5 |
| Tiree ... ... | 49 | 35 | 31 | - | - | 14·5 |
| Stornoway ... | 46 | 38 | * | - | - | 14·1 |
| Dalwhinnie ... | 46 | 32 | 25 | - | - | 12·8 |
| Aberdeen ... | 45 | 37 | 35 | Tr | 0·1 | 1·6 |
| Wick ... | 43 | 39 | * | - | 0·1 | * |
| Lerwick ... | 43 | 39 | * | Tr | Tr | 0·9 |
| Blacksod Point | 54 | 44 | * | - | - | * |
| Malin Head ... | 50 | 37 | * | - | - | 13·3 |
| Aldergrove ... | 55 | 32 | 24 | - | - | 12·8 |
| Birr Castle ... | 58 | 30 | * | - | - | 12·1 |
| Valentia Obsy † | 60 | 43 | 33 | - | - | 13·2 |
| Roches Point | 57 | 39 | * | - | - | * |

### LONDON OBSERVATIONS

Day 7h—18h. Kew & Croydon.
9h—18h. Kensington.
9h—21h. other stations except for rainfall which is 9h—18h.

| | Height above M.S.L. in feet | Weather Morning (24 hrs. ended 9h.) | Weather Afternoon (24 hrs. ended 9h.) | Weather Night (24 hrs. ended 9h.) | Temperature Day Max. °F. | Temperature Night Min. °F. | Temperature Min. on Grass °F. | Rainfall Day mm. | Rainfall Night mm. | Sunshine to Sunset hrs. (Yesterday) | Humidity 15h. G.M.T. % (Yesterday) | Humidity 9h. G.M.T. % (To-day) | Visibility 9h. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kew ... | 18 | bcz.cbc | bcpr.bcb | bcz. | 51 | 36 | 30 | Tr | - | 8·1 | * | * | 7 |
| Croydon ... | 217 | cz.ypr. | cpr.z.y | cir.cpr. | 51 | 37 | 35 | Tr | 0·1 | 3·8 | * | * | 6 |
| Greenwich (Royal Observatory)... | 149 | cpy | cy | cbcp | 51 | 38 | 31 | Tr | Tr | 3·5 | 41 | 53 | 7 |
| City (Bunhill Row) ... | — | * | * | * | * | * | * | * | * | 6·5 | * | * | * |
| Westminster (St. James' Park) ... | 27 | * | * | * | 55 | 39 | 33 | Tr | | 6·5 | 49 | 54 | * |
| Regents Pk. (Botanic Gardens)‡... | 168 | * | * | * | 53 | 37 | 32 | - | Tr | 5·1 | 36 | 62 | * |
| Camden Square ... | 110 | c | cp | * | 53 | 37 | 32 | Tr | - | * | * | 51 | * |
| Kensington ... | 80 | bc | c | * | 49 | 38 | 31 | - | Tr | 7·3 | At 18h. 56 | 57 | * |
| Hampstead Observatory ... | 450 | bcp | bc | bcp | 50 | 35 | 29 | Tr | Tr | 7·1 | * | 80 | * |

### Atmospheric Pollution.

Milligrams of Solid Impurity per cubic metre.

24 hrs. ended 7h. G.M.T. 30th.

| South Kensington Max. | Time. | Min. | Time. |
|---|---|---|---|
| <0·3 | the whole period | | |

| Kew Observatory Max. | Time. | Min. | Time. |
|---|---|---|---|
| 0·2 | 19h 29th | <0·1 | 4-5h 30th |

### FOREIGN OBSERVATIONS.

| Stations | 18h G.M.T. 29th April Barom. mb. | Wind Direc. | Wind Force | Weather | Temp. °F. | 7h. G.M.T. 30th April Barom. mb. | Wind Direc. | Wind Force | Weather | Temp. °F. | Past 24 Hours Max. Day °F. | Min. Night °F. | Rainfall Day mm. | Rainfall Night mm. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Paris ... | 1013·8 | NNW | 5 | c | 50 | 1012·6 | WNW | 2 | bc | 39 | 55 | 32 | Tr | - |
| Brussels ... | 1013·0 | N'W | 5 | bc | 45 | 1009·8 | NW'W | 3 | $s_o s_o$ | 34 | 52 | 30 | 0·5 | 2 |
| Berlin ... | 1010·3 | NE | 2 | b | 52 | 1010·4 | E | 2 | m | 43 | 54 | 39 | Tr | - |
| Zurich ... | 1007·4 | NNE | 4 | r | 50 | 1008·0 | SE | 1 | c | 39 | 63 | 37 | 0·1 | 11 |
| Rome ... | 1008·9 | SE | 5 | $d_o d_o$ | 55 | 1006·9 | WSW | 2 | 0 | 57 | * | * | 1 | 0·3 |

## EXPLANATION OF FIGURES, LETTERS, etc.

**COLUMNS 2, 16.**
The barometric tendency is expressed in tenths of a millibar.

**COLUMNS 4, 18.**
The Beaufort Scale of Wind is used only for surface observations. In the accompanying table the speed of the wind corresponding with the different numbers is the speed at about 30 feet above the ground.

| Beaufort No | Statute m/h. | Beaufort No. | Statute m/h. | Beaufort No. | Statute m/h. |
|---|---|---|---|---|---|
| 0 | <1 | 4 | 13–18 | 9 | 47–54 |
| 1 | 1–3 | 5 | 19–24 | 10 | 55–63 |
| 2 | 4–7 | 6 | 25–31 | 11 | 64–75 |
| 3 | 8–12 | 7 | 32–38 | 12 | > 75 |
| | | 8 | 39–46 | | |

**COLUMNS 34, 35.**
Tr. = rain has fallen, but amount less than 0·1 mm.

**COLUMNS 8, 22.—Code for surface visibility.**

| | Objects not visible at |
|---|---|
| 0 Dense fog | 55 yards. |
| 1 Thick fog | 220 ,, |
| 2 Fog | 550 ,, |
| 3 Moderate fog | 1,100 ,, |
| 4 Mist or haze | 1½ miles. |
| 5 Poor visibility | 2½ ,, |
| 6 Moderate ,, | 6½ ,, |
| 7 Good ,, | 12½ ,, |
| 8 Very good ,, | 31 ,, |
| 9 Excellent ,, | beyond 31m. |

**COLUMN 30.—Code for State of Sea.**

| | |
|---|---|
| 0 Calm. | 5 Very rough |
| 1 Smooth. | 6 High. |
| 2 Slight. | 7 Very high |
| 3 Moderate. | 8 Precipitous. |
| 4 Rough. | 9 Confused. |

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† 1 hr observations are from Valentia W/T Station. ‡ Maximum and Minimum Temperatures are for the 24 hours ending 8 h. ‖ Sea disturbance reported from Dungeness.